

Table 2

Tissue MicroArray Normal 2000 (NO200)

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|---------------------------|--------------------|---------------|--------------------------|-------------|
| A1a | 1 | 47 | F | Thyroid | Adenoma | Normal | Ok | biopsy |
| A1b | 1 | 47 | F | Thyroid | Thyroid cancer | Normal | Ok | Biopsy |
| A1c | 1 | 47 | F | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1d | 1 | 47 | F | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1e | 2 | 26 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1f | 2 | 26 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1g | 2 | 26 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1h | 3 | 65 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1i | 3 | 65 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1j | 3 | 65 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1k | 4 | 32 | F | Adrenal gland | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A1l | 4 | 32 | F | Adrenal gland | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A1m | 4 | 32 | F | Adrenal gland | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A1n | 5 | 41 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 5h |
| A1o | 5 | 41 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 5h |
| A1p | 5 | 41 | M | Adrenal gland | Trauma | Normal | Few epithelial cells | Autopsy, 5h |
| A2a | 6 | 37 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 4h |
| A2b | 6 | 37 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 4h |
| A2c | 7 | 74 | M | Adrenal gland | Clear cell RCC | Normal | Few epithelial cells | Biopsy |
| A2d | 7 | 74 | M | Adrenal gland | Clear cell RCC | Normal | Ok | Biopsy |
| A2e | 12 | 28 | F | Placenta, third trimester | Rapid labor | Normal | Ok | Biopsy |
| A2f | 12 | 28 | F | Placenta, third trimester | Rapid labor | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|---------------------------|-----------------------|---------------|--------------------------|----------|
| A2g | 12 | 28 | F | third trimester Placenta, | Rapid labor | Normal | Ok | Biopsy |
| A2h | 13 | 29 | F | third trimester Placenta, | Prolonged labor | Normal | Ok | Biopsy |
| A2i | 13 | 29 | F | third trimester Placenta, | Prolonged labor | Normal | Ok | Biopsy |
| A2j | 13 | 29 | F | third trimester Placenta, | Prolonged labor | Normal | Ok | Biopsy |
| A2k | 14 | 32 | F | third trimester Placenta, | | Normal | Ok | Biopsy |
| A2l | 14 | 32 | F | third trimester Placenta, | | Normal | Ok | Biopsy |
| A2m | 15 | 29 | F | third trimester Placenta, | Full term pregnancy | Normal | Ok | Biopsy |
| A2n | 15 | 29 | F | third trimester Placenta, | Full term pregnancy | Normal | Ok | Biopsy |
| A2o | 16 | 25 | M | third trimester Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A2p | 17 | 18 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3a | 18 | 17 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3b | 18 | 17 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3c | 19 | 22 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3d | 19 | 22 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3e | 20 | 42 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3f | 20 | 42 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3g | 21 | 34 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3h | 21 | 34 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3i | 22 | 16 | M | Lymph node | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3j | 22 | 16 | M | Lymph node | Normal | Normal | Ok | Biopsy |
| A3k | 23 | 76 | M | Lymph node | Normal Gastric cancer | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|---------------|----------------------|---------------|--------------------------|-------------|
| A3l | 23 | 76 | M | Lymph node | Gastric cancer | Normal | Ok | Biopsy |
| A3m | 24 | 62 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A3n | 24 | 62 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A3o | 24 | 62 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A3p | 25 | 54 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A4a | 25 | 54 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A4b | 25 | 54 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A4c | 26 | 32 | F | Spleen | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A4d | 26 | 32 | F | Spleen | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A4e | 27 | 21 | F | Spleen | Trauma | Normal | Ok | Biopsy |
| A4f | 27 | 21 | F | Spleen | Trauma | Normal | Ok | Biopsy |
| A4g | 28 | 43 | M | Spleen | Old hematoma | Normal | Ok | Biopsy |
| A4h | 28 | 43 | M | Spleen | Old hematoma | Normal | Ok | Biopsy |
| A4i | 29 | 74 | F | Spleen | Rectifig | Normal | Ok | Biopsy |
| A4j | 29 | | | Spleen | | Normal | Ok | Biopsy |
| A4k | 30 | 26 | F | Spleen | Hodgkin disease | Normal | Ok | Biopsy |
| A4l | 30 | 26 | F | Spleen | Hodgkin disease | Normal | Ok | Biopsy |
| A4m | 31 | 68 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A4n | 31 | 68 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A4o | 32 | 44 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A4p | 32 | 44 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5a | 33 | 53 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5b | 33 | 53 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5c | 33 | 53 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5d | 34 | 57 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5e | 34 | 57 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5f | 34 | 57 | F | Skin | Breast Cancer | Normal | Ok | Biopsy |
| A5g | 35 | 32 | F | Heart | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A5h | 35 | 32 | F | Heart | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A5i | 35 | 32 | F | Heart | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A5j | 36 | 41 | M | Heart | Trauma | Normal | Ok | Autopsy, 5h |
| A5k | 36 | 41 | M | Heart | Trauma | Normal | Ok | Autopsy, 5h |
| A5l | 36 | 41 | M | Heart | Trauma | Normal | Ok | Autopsy, 5h |
| A5m | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A5n | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A5o | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A5r | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A6a | 38 | 25 | M | Scelal muscle | Tonsillitis chronica | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot# | Material |
|-------------|------------------|-----|-----|--------------------------|---------------------|---------------|--------------------------|----------|
| A6b | 39 | 27 | M | Skeletal muscle | Seminoma | Normal | Ok | Biopsy |
| A6c | 40 | 22 | M | Skeletal muscle | Chronic tonsillitis | Normal | Ok | Biopsy |
| A6d | 41 | 43 | M | Skeletal muscle | Hernia | Normal | Ok | Biopsy |
| A6e | 42 | 67 | M | Skeletal muscle | Eyid resection | Normal | Ok | Biopsy |
| A6f | 42 | 67 | M | Skeletal muscle | Eyid resection | Normal | Ok | Biopsy |
| A6g | 44 | 31 | F | Skeletal muscle | Thyroid cancer | Normal | Bleeding, no muscle | Biopsy |
| A6h | 45 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6i | 46 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6j | 46 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6k | 47 | 75 | F | Smooth muscle, intestine | Gastric ulcer | Normal | Ok | Biopsy |
| A6l | 48 | 68 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6m | 49 | 91 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6n | 49 | 91 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6o | 50 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6p | 50 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A7a | 51 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|--------------------------|--------------------|---------------|--------------------------|----------|
| A7b | 51 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7c | 52 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7d | 52 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7e | 53 | 75 | F | Intestine | | | | |
| A7f | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Lipomatous tissue | Biopsy |
| A7g | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Intestinal metaplasia | Biopsy |
| A7h | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Ok | Biopsy |
| A7i | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Chronic inflammation | Biopsy |
| A7j | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Chronic inflammation | Biopsy |
| A7k | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Chronic inflammation | Biopsy |
| A7l | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Chronic inflammation | Biopsy |
| A7m | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Ok | Biopsy |
| A7n | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Ok | Biopsy |
| A7o | 56 | 68 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A7p | 56 | 68 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A8a | 57 | 76 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A8b | 57 | 76 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A8c | 58 | 47 | F | Stomach, corpus | Reflux esophagitis | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|-----------------|--|---------------|--------------------------|----------|
| A8d | 58 | 47 | F | Stomach, corpus | Reflux esophagitis | Normal | Ok | Biopsy |
| A8e | 59 | 76 | F | Stomach, corpus | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8f | 59 | 76 | F | Stomach, corpus | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8g | 60 | 90 | F | Stomach, corpus | Duodenal ulcer | Normal | No epithelial cells | Biopsy |
| A8h | 60 | 90 | F | Stomach, corpus | Duodenal ulcer | Normal | Ok | Biopsy |
| A8i | 55 | 75 | F | Duodenum | Gastric cancer | Normal | Ok | Biopsy |
| A8j | 55 | 75 | F | Duodenum | Gastric cancer | Normal | Ok | Biopsy |
| A8k | 61 | 81 | F | Duodenum | Colon cancer | Normal | Ok | Biopsy |
| A8l | 61 | 81 | F | Duodenum | Colon cancer | Normal | Ok | Biopsy |
| A8m | 62 | 76 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8n | 62 | 76 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8o | 62 | 76 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8p | 63 | 90 | F | Duodenum | Duodenal ulcer | Normal | Ok | Biopsy |
| A9a | 63 | 90 | F | Duodenum | Duodenal ulcer | Normal | Ok | Biopsy |
| A9b | 63 | 90 | F | Duodenum | Duodenal ulcer | Normal | Ok | Biopsy |
| A9c | 64 | 66 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9d | 65 | 79 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9e | 66 | 72 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9f | 67 | 57 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9g | 68 | 72 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9h | 68 | 72 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9i | 69 | 85 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9j | 69 | 85 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9k | 70 | 82 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9l | 70 | 82 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9m | 71 | 79 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9n | 71 | 79 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9o | 72 | 85 | F | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9p | 72 | 85 | F | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1a | 73 | 72 | M | Colon | Colon cancer | Normal | No epithelial cells | Biopsy |
| B1b | 73 | 72 | M | Colon | Colon adenoma | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot | Material |
|-------------|------------------|-----|-----|--------------|------------------------------------|---------------|---------------------------------|----------|
| B1c | 74 | 57 | M | Colon | Colon cancer | Normal | Sample missing on first section | Biopsy |
| B1d | 74 | 57 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1e | 75 | 85 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1f | 75 | 85 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1g | 76 | 72 | M | Appendix | Colon adenoma | Normal | Ok | Biopsy |
| B1h | 77 | 57 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1i | 77 | 57 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1j | 78 | 25 | F | Appendix | Idiopathic megacolon | Normal | Only smooth muscle | Biopsy |
| B1k | 79 | 85 | M | Appendix | Colon cancer | Normal | Connective tissue | Biopsy |
| B1l | 79 | 85 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1m | 80 | 32 | F | Appendix | Uterus endometriosis | Normal | Ok | Biopsy |
| B1n | 80 | 32 | F | Appendix | Uterus endometriosis | Normal | Ok | Biopsy |
| B1o | 81 | 88 | M | Appendix | Uterus endometriosis | Normal | Debris | Biopsy |
| B1p | 81 | 88 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B2a | 82 | 78 | M | Gall bladder | Colon cancer | Normal | Ok | Biopsy |
| B2b | 82 | 78 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2c | 83 | 16 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2d | 83 | 16 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2e | 84 | 56 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2f | 84 | 56 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2g | 85 | 54 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2h | 85 | 54 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2i | 86 | | | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2j | 86 | | | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2k | 87 | 74 | F | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2l | 87 | 74 | F | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2m | 88 | 85 | M | Liver | Colon cancer, metastatic | Normal | Ok | Biopsy |
| B2n | 88 | 85 | M | Liver | Colon cancer, metastatic | Normal | Ok | Biopsy |
| B2o | 89 | 71 | M | Liver | Cholecystitis | Normal | Ok | Biopsy |
| B2p | 89 | 71 | M | Liver | Cholecystitis | Normal | Inflammation | Biopsy |
| B3a | 89 | 71 | M | Liver | Cholecystitis | Normal | Ok | Biopsy |
| B3b | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3c | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3d | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3e | 93 | | | Pancreas | | Normal | Autopsy, <12h | Biopsy |
| B3f | 93 | | | Pancreas | | Normal | Autopsy, <12h | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|---------------------|--|---------------|--------------------------|---------------|
| B3g | 93 | | | Pancreas | | Normal | Ok | Autopsy, <12h |
| B3h | 93 | | | Pancreas | | Normal | Ok | Autopsy, <12h |
| B3i | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3j | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3k | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3l | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3m | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3n | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3o | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Autopsy, 5h |
| B3p | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Autopsy, 5h |
| B4a | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Autopsy, 5h |
| B4b | 95 | 62 | F | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Autopsy, 5h |
| B4c | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Autopsy, 5h |
| B4d | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Autopsy, 5h |
| B4e | 96 | 31 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Autopsy, 5h |
| B4f | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Autopsy, 5h |
| B4g | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Autopsy, 5h |
| B4h | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Autopsy, 5h |
| B4i | 100 | 44 | F | Ovary, stroma | Abnormal bleedings | Normal | Fallopian tube | Biopsy |
| B4j | 98 | | F | Ovary, stroma | CIS cervix | Normal | Ok | Biopsy |
| B4k | 99 | 45 | F | Ovary, stroma | Menometrorrhagia | Normal | Ok | Biopsy |
| B4l | 100 | 44 | F | Ovary, stroma | Abnormal bleedings | Normal | Ok | Biopsy |
| B4m | 101 | 45 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B4n | 98 | | F | Ovary, stroma | CIS cervix | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot# | Material |
|-------------|------------------|-----|-----|----------------------|----------------------|---------------|---------------------------------|----------|
| B4o | 102 | 47 | F | ovary, stroma | Hysterectomy | Normal | Sample missing on first section | Biopsy |
| B4p | 102 | 47 | F | ovary, stroma | Hysterectomy | Normal | Ok | Biopsy |
| B5a | 103 | 47 | F | ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B5b | 103 | 47 | F | ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B5c | 100 | 44 | F | ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5d | 105 | 32 | F | ovary, corpus luteum | Endometriosis uterus | Normal | Ok | Biopsy |
| B5e | 106 | 45 | F | ovary, corpus luteum | Menometrorrhagia | Normal | Ok | Biopsy |
| B5f | 106 | 45 | F | ovary, corpus luteum | Menometrorrhagia | Normal | Ok | Biopsy |
| B5g | 107 | 44 | F | ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5h | 107 | 44 | F | ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5i | 108 | 45 | F | ovary, corpus luteum | Myoma uterus | Normal | Ok | Biopsy |
| B5j | 108 | 45 | F | ovary, corpus luteum | Myoma uterus | Normal | Ok | Biopsy |
| B5k | 109 | 47 | F | ovary, corpus luteum | Hysterectomy | Normal | Ok | Biopsy |
| B5l | 109 | 47 | F | ovary, corpus luteum | Hysterectomy | Normal | Ok | Biopsy |
| B5m | 110 | 25 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5n | 110 | 25 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5o | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5r | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6a | 112 | F | | Fallopian tube | CIS cervix | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot | Material |
|-------------|------------------|-----|-----|----------------|--|---------------|---------------------------|----------|
| B6b | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6c | 113 | 45 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6d | 113 | 45 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6e | 114 | 47 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6f | 114 | 47 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6g | 115 | 42 | F | Myometrium | Dysfunctional bleeding, myoma, adenomyosis | Normal | Some endometrium included | Biopsy |
| B6h | 116 | 28 | F | Myometrium | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B6i | 119 | 30 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6j | 118 | 42 | F | Myometrium | Ovarian cyst (endometriosis) | Normal | Endometrium | Biopsy |
| B6k | 119 | 30 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6l | 120 | 45 | F | Myometrium | Menometrorrhagia | Normal | Ok | Biopsy |
| B6m | 121 | 49 | F | Myometrium | Endometrium cancer | Normal | Ok | Biopsy |
| B6n | 121 | 49 | F | Myometrium | Endometrium cancer | Normal | Ok | Biopsy |
| B6o | 122 | | F | Myometrium | CIS cervix | Normal | Ok | Biopsy |
| B6p | 122 | | F | Myometrium | CIS cervix | Normal | Ok | Biopsy |
| B7a | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7b | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7c | 124 | 39 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7d | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7e | 125 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7f | 125 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7g | 126 | | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7h | 126 | | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7i | 127 | 47 | F | Endo sekr | Hysterectomy | Normal | Ok | Biopsy |
| B7j | 127 | 47 | F | Endo sekr | Hysterectomy | Normal | Ok | Biopsy |
| B7k | 128 | 28 | F | Endo prol | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7l | 128 | 28 | F | Endo prol | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7m | 129 | 40 | F | Endo prol | Menorrhagia | Normal | Ok | Biopsy |
| B7n | 129 | 40 | F | Endo prol | Menorrhagia | Normal | Few epithelial cells | Biopsy |
| B7o | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|---------------|------------------------------|---------------|--------------------------|----------|
| B7p | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8a | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8b | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8c | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8d | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8e | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8f | 133 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8g | 134 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8h | 135 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8i | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8j | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8k | 137 | 49 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8l | 137 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B8m | 138 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B8n | 138 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B8o | 139 | 41 | F | Endocervix | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8p | 140 | 32 | F | Endocervix | Endometriosis | Normal | Ok | Biopsy |
| B9a | 141 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B9b | 142 | 39 | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B9c | 143 | 49 | F | Endocervix | Endometrium cancer | Normal | Stroma only | Biopsy |
| B9d | 143 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B9e | 144 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B9f | 144 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B9g | 145 | 47 | F | Endocervix | Myoma uterus | Normal | Ok | Biopsy |
| B9h | 145 | 47 | F | Endocervix | Myoma uterus | Normal | Ok | Biopsy |
| B9i | 146 | 74 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9j | 146 | 74 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9k | 147 | 78 | M | Kidney cortex | Cancer pylon | Normal | Ok | Biopsy |
| B9l | 147 | 78 | M | Kidney cortex | Cancer pylon | Normal | Ok | Biopsy |
| B9m | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9n | 148 | 88 | m | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9o | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot# | Material |
|-------------|------------------|-----|-----|-----------------|------------------------------|---------------|--------------------------|----------|
| B9p | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| C1a | 149 | 87 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| C1b | 149 | 87 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| C1c | 150 | 74 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1d | 150 | 74 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1e | 151 | 78 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C1f | 151 | 78 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C1g | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1h | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1i | 152 | 88 | m | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1j | 153 | 87 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C2a | 153 | 87 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C2b | 153 | 87 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C2c | 154 | | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2d | 154 | | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2e | 155 | 66 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2f | 155 | 66 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2g | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2h | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2i | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2j | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3a | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3b | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3c | 158 | 60 | M | Seminal vesicle | Prostate cancer | Normal | Ok | Biopsy |
| C3d | 158 | 60 | M | Seminal | Prostate cancer | Normal | Ok | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|------------------|-----|-----|--------------------|--------------------|---------------|--------------------------|----------|
| C3e | 159 | 63 | M | vesicle Seminal | Prostate cancer | Normal | Ok | Biopsy |
| C3f | 159 | 63 | M | vesicle Seminal | Prostate cancer | Normal | Ok | Biopsy |
| C3g | 160 | | | vesicle Seminal | | Normal | Ok | Biopsy |
| C3h | 160 | 66 | M | vesicle Seminal | Prostate cancer | Normal | Ok | Biopsy |
| C3i | 160 | 66 | M | vesicle Seminal | Prostate cancer | Normal | Ok | Biopsy |
| C3j | 161 | | | vesicle Seminal | | Normal | Ok | Biopsy |
| C4a | 161 | | | vesicle Seminal | | Normal | Ok | Biopsy |
| C4b | 161 | | | vesicle Seminal | | Normal | Ok | Biopsy |
| C4c | 162 | 87 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C4d | 162 | 87 | M | Epididymis | Prostate cancer | Normal | Few epithelial cells | Biopsy |
| C4e | 162 | 87 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C4f | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C4g | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C4h | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C4i | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C4j | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C5a | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C5b | 163 | 86 | M | Epididymis | Prostate cancer | Normal | Ok | Biopsy |
| C5c | 164 | 77 | M | Testis | Prostate cancer | Normal | Stroma only | Biopsy |
| C5d | 164 | 77 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C5e | 164 | 77 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C5f | 165 | 87 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C5g | 165 | 87 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C5h | 165 | 87 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C5i | 166 | 86 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C5j | 167 | 73 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C6a | 167 | 73 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C6b | 167 | 73 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C6c | 168 | 87 | M | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6d | 169 | 87 | M | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot | Material |
|-------------|------------------|-----|-----|---------------------------|--------------------|---------------|-------------------------|-------------|
| C6c | 168 | 87 | M | Kidney pelvis | Cancer pylon | Normal | Ok | Biopsy |
| C6f | 169 | 87 | M | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6g | 168 | 87 | M | Kidney pelvis | Cancer pylon | Normal | Ok | Biopsy |
| C6h | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6i | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6j | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C7a | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | Ok | Biopsy |
| C7b | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | Inflammation | Biopsy |
| C7c | 171 | 63 | F | Bronchus | Lung cancer | Normal | No epithelial cells | Biopsy |
| C7d | 171 | 63 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7e | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7f | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7g | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7h | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7i | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7j | 174 | | | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C8a | 174 | | | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C8b | 174 | | | Bronchus | Lung cancer | Normal | No epithelial cells | Biopsy |
| C8c | 175 | 74 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8d | 176 | 62 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8e | 177 | 68 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8f | 178 | 69 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8g | 179 | 51 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| D2c | 189 | 41 | M | Cerebrum, white substance | Trauma | Normal | Ok | Autopsy, 5h |
| D2d | 189 | 41 | M | Cerebrum, white substance | Trauma | Normal | Ok | Autopsy, 5h |
| D2e | 189 | 41 | M | Cerebrum, white substance | Trauma | Normal | Ok | Autopsy, 5h |
| D2f | 189 | 41 | M | Cerebrum, white substance | Trauma | Normal | Ok | Autopsy, 5h |
| D2g | 189 | 41 | M | Cerebrum, white substance | Trauma | Normal | Ok | Autopsy, 5h |
| D2h | 191 | 37 | M | Cerebrum, white substance | Trauma | Normal | Ok | Autopsy, 4h |

| Coordinates | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|-------------|---------------------|-----|-----|---------------------------------|--------------------|---------------|-----------------------------|-------------|
| D2i | 191 | 37 | M | white substance Cerebrum, | Trauma | Normal | Ok | Autopsy, 4h |
| D2j | 191 | 37 | M | white substance Cerebrum, | Trauma | Normal | Ok | Autopsy, 4h |
| D3a | 191 | 37 | M | white substance Cerebrum, | Trauma | Normal | Ok | Autopsy, 4h |
| D3b | 191 | 37 | m | white substance Cerebrum, | Trauma | Normal | Ok | Autopsy, 4h |

TABLE 3

| Localisation | Organ | Histologic tumor type | Tissue represented Lot 1 | Underlying disease | Sex | Age |
|--------------|-------------------|---------------------------------|-----------------------------|------------------------|-----|-----|
| 1a | Breast | Breast cancer, ductal | Ok | | F | 83 |
| 1b | Breast | Breast cancer, ductal | Ok | | F | 59 |
| 1c | Breast | Breast cancer, ductal | Ok | | F | 74 |
| 1d | Breast | Breast cancer, ductal | Ok | | F | 61 |
| 1e | Breast | Breast cancer, ductal | Few cancer cells | | F | 68 |
| 1f | Lung | Lung cancer, squamous | | | M | 78 |
| 1g | Lung | Lung cancer, adenocarcinoma | | | M | 56 |
| 1h | Lung | Lung cancer, squamous | Ok | | M | 68 |
| 2a | Lung | Lung cancer, squamous | Ok | | M | 60 |
| 2b | Lung | Lung cancer, large cell | Ok | | F | 71 |
| 2c | Colon | Colon cancer, adenocarcinoma | Ok | | M | 70 |
| 2d | Colon | Colon cancer, adenocarcinoma | Ok | | F | 71 |
| 2e | Colon | Colon cancer, adenocarcinoma | Ok | | M | 65 |
| 2f | Colon | Colon cancer, adenocarcinoma | Ok | | M | 79 |
| 2g | Colon | Colon cancer, adenocarcinoma | Ok | | M | 74 |
| 2h | Prostate | Prostate cancer, adenocarcinoma | Ok | | M | 85 |
| 3a | Prostate | Prostate cancer, adenocarcinoma | Ok | | M | 77 |
| 3b | Prostate | Prostate cancer, adenocarcinoma | Ok | | M | 70 |
| 3c | Prostate | Prostate cancer, adenocarcinoma | Ok | | M | 60 |
| 3d | Prostate | Prostate cancer, adenocarcinoma | Ok | | M | 68 |
| 3e | Scol muscle | Normal | Ok | Breast cancer | F | 79 |
| 3f | Scol muscle | Normal | Ok | Breast cancer | F | |
| 3g | Kidney, cortex | Normal | Ok | Renal pelvis cancer | M | 78 |
| 3h | Kidney, cortex | Normal | Ok | Renal pelvis cancer | M | 87 |
| 4a | Liver | Normal | Ok | Splenomegaly | F | 71 |
| 4b | Liver | Normal | Ok | Hodgkin disease | F | 26 |
| 4c | Lymph node | Normal | Ok | Cholecystitis | M | 16 |
| 4d | Lymph node | Normal | Ok | Gastric cancer | | |
| 4e | Prostate | Normal | Ok | Prostate cancer BPH | M | 68 |
| 4f | Prostate | Normal | Ok | | M | |

| Localisation | Organ | Histologic tumor type | Tissue represented Lot 1 | Underlying disease | Sex | Age |
|--------------|---------|-----------------------|-----------------------------|-----------------------|-----|-----|
| 4g | Thyroid | Normal | Ok | Thyroid adenoma | F | 47 |
| 4h | Thyroid | Normal | Ok | Thyroid adenoma | M | 26 |
| 5a | Spleen | Normal | Ok | Trauma | F | 21 |
| 5b | Spleen | Normal | Ok | Old hemotoma | M | 43 |

TABLE 4

| BNr | Nr on block | localisation | coordinates | category | BI ca | BI gleason 1 | BI gleason 2 | BI gleason 3 | BI gleason 4 | BI gleason 5 | gleason 1 | gleason 2 | gleason sum | gleason array | disease |
|----------|-------------|--------------|-------------|----------|-------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|-------------|---------------|---------|
| b89.2864 | 1 | A 1a | 0/0 | cancer | 0.9 | | 1 to 11 | | | | | 2 | 4 | 2 | |
| b89.2993 | 2 | A 1b | 800/0 | cancer | 2 | | | 1 to 9 | 1 to 9 | | 3 to 4 | 3 to 4 | 7 | | |
| b89.6007 | 3 | A 1c | 1600/0 | cancer | 2 | | | | 1 to 6 | 1 to 6 | 5 | 4 | 9 | | |
| b89.7460 | 4 | A 1d | 2400/0 | cancer | | | | 1,2,3,4,5 | | dddd | 3 | 5 | 8 | | |
| b89.8302 | 5 | A 1e | 3200/0 | cancer | 1.5 | | | | | 1,2 | 5 | 5 | 10 | 5 | |
| b91.2234 | 6 | A 1f | 4000/0 | cancer | 1 | | | | 1 to 5 | | 4 | 4 | 8 | 4 | |
| b91.7671 | 7 | A 1g | 4800/0 | cancer | 0 | 4,5,11,12 | 11,12 | | | | 2 | 3 | 5 | | |
| b93.3679 | 8 | A 1h | 5600/0 | cancer | 1 | 1,2,3,4 | | | 1,2,3,4 | | 4 | 2 | 6 | 4 | |
| b93.4574 | 9 | A 2a | 0/800 | cancer | 0.6 | 1 | | | | | | | | 3 | |
| b93.8235 | 10 | A 2b | 800/800 | cancer | 1 | | | 1,2 | 1,2 | | 4 | 3 | 7 | 4 | |
| b97.1001 | 11 | A 2c | 1600/800 | cancer | 1.5 | 1 to 10 | 1 to 10 | | | | 3 | 2 | 5 | | |
| b97.1588 | 12 | A 2d | 2400/800 | cancer | 1 | 1,4,5 | | | | | 2 | 2 | 4 | 2 | |
| b97.1655 | 13 | A 2e | 3200/800 | cancer | 0.8 | | 1,2 | | | | 3 | | | | |
| b97.2635 | 14 | A 2f | 4000/800 | cancer | 0.6 | 1 | | | | | 2 | 2 | 4 | 2 | |
| b97.3455 | 15 | A 2g | 4800/800 | cancer | 1 | 2 | | | 1 | | 4 | 2 | 6 | 4 | |
| b97.365 | 16 | A 2h | 5600/800 | cancer | 1 | | | | | | 3 | 2 | 5 | | |
| b97.4392 | 17 | A 3a | 0/1600 | cancer | 1.2 | | 1 | | | | | | | 4 | |
| b97.566 | 18 | A 3b | 800/1600 | cancer | 1.2 | | 1,2,3,4,5 | | | | 2 | 2 | 4 | | |
| b97.6494 | 19 | A 3c | 1600/1600 | cancer | 1.3 | | 1,2,3 | 1 | | | 3 | 2 | 5 | 3 | |
| b97.730 | 20 | A 3d | 2400/1600 | cancer | 0.8 | | 1,2 | | | | 2 | 2 | 4 | 2 | |

| BNr | Nr on block | localisation | coordinates | category | BI1 ca | BI1 gleason 1 | BI1 gleason 2 | BI1 gleason 3 | BI1 gleason 4 | BI1 gleason 5 | gleason 1 | gleason 2 | gleason sum | gleason array | disease |
|----------|-------------|--------------|-------------|----------|-------------|---------------|-----------------|-------------------|-------------------|---------------|-----------|-----------|-------------|---------------|---------|
| b97.9880 | 21 | A 3e | 3200/1600 | cancer | 0.6 | | 1:2;3 | 1:2;3 | | | 2 | 3 | 5 | 2 | |
| b86.1325 | 22 | A 3f | 4000/1600 | cancer | | | | | 1:2;3;4;5 | | 5 | 4 | 8 | 5 | |
| b86.1460 | 23 | A 3g | 4800/1600 | cancer | 1.5 | | 1:2;3 | | | | 2 | 2 | 4 | 2 | |
| b87.10 | 24 | A 3h | 5600/1600 | cancer | 2 | | | | | 1:2;3;4 | 5 | 5 | 10 | 5 | |
| b87.1104 | 25 | A 4a | 02400 | cancer | | | | | | 1 | | | | 5 | |
| b87.1137 | 26 | A 4b | 800/2400 | cancer | 2 | | | | 1:2;3;4 | | 5 | 5 | 10 | 5 | |
| b87.1545 | 27 | A 4c | 1600/2400 | cancer | 0.7 | | 1:2;3 | | | | 2 | 2 | 4 | 2 | |
| b87.1748 | 28 | A 4d | 2400/2400 | cancer | 1;6 | | 1:2;3;4;5; 6 | | 1:2;3;4;5; 6 | | 2 | 4 | 6 | 4 | |
| b87.39 | 29 | A 4e | 3200/2400 | cancer | 1 | | | 1:2;3;4 | 2;3;4 | | 3 | 4 | 7 | 3 | |
| b87.410 | 30 | A 4f | 4000/2400 | cancer | 1.5 | | 1:2;3;4;5 | 1:2;3;4;5 | | | 2 | 3 | 5 | 2 | |
| b88.1898 | 31 | A 4g | 4800/2400 | cancer | 1.8 | | | 1:2;3;4;5; 6;7 | 1:2;3;4;5; 6;7 | | 5 | 4 | 9 | 5 | |
| b88.1936 | 32 | A 4h | 5600/2400 | cancer | 2.5; 0.3 | | | 1:2;3;4;5 | 1:2;3;4;5 | | 3 | 4 | 7 | 3 | |
| b88.470 | 33 | A 5a | 07200 | cancer | 0.8 | | | 1:2;3;4 | 1:2;3;4 | 1:2;3;4 | 4 | 5 | 9 | 4 | |
| b89.1385 | 34 | A 5b | 800/3200 | cancer | 1;8 | | | 1;3 | | 1:2;3;4;5 | 5 | 3 | | 3 | |
| b90.2002 | 35 | A 5c | 1600/3200 | cancer | | | 1:2;3 | | | | 2 | 2 | 4 | 2 | |
| b90.383 | 36 | A 5d | 2400/3200 | cancer | 2.5 | | | 1:2;3;4 | 3 | | 3 | 4 | 7 | 3 | |
| b91.566 | 37 | A 5e | 3200/3200 | cancer | 1;0; 8 | | | | 1 | 1:2;3;4;5 | 4 | 5 | | 5 | |
| b91.73 | 38 | A 5f | 4000/3200 | cancer | 1.5 | | | | 2;3;4;6 | 1:2;3;4;6 | 5 | 4 | 9 | 5 | |
| b91.946 | 39 | A 5g | 4800/3200 | cancer | 2.5 | | | | | 1 to 7 | 5 | 5 | 10 | 5 | |

| BNr | Nr on block | localisation | coordinates | category | BI1 ca | BI gleason 1 | BI gleason 2 | BI gleason 3 | BI gleason 4 | BI gleason 5 | gleason 1 | gleason 2 | gleason sum | Gleason array | disease |
|----------|-------------|--------------|-------------|----------|-----------|--------------|--------------|-----------------------------|-----------------|--------------|-----------|-----------|-------------|---------------|---------|
| h91.957 | 40 | A 6a | 04000 | cancer | 1,5 | | | 1,2,3,4,5 | 1,2,3,4,5 | | 4 | 3 | 7 | 3 to 4 | |
| h92.1219 | 41 | A 6b | 800/4000 | cancer | 3 | | | 1,2,3,4,5; 6 | 1,2,3,4,5; 6 | | 4 | 3 | 7 | 4 | |
| h92.1403 | 42 | A 6c | 1600/4000 | cancer | 0,6 | | | 1,2 | 1,2 | | 3 | 4 | 7 | | |
| h92.338 | 43 | A 6d | 2400/4000 | cancer | 6,6 | | | 1,2,3,4 | 1,2,3 | | 2 | 3 | 5 | 2 | |
| h92.420 | 44 | A 6e | 3200/4000 | cancer | 1,5 | | | | 1 | 1 | 5 | 5 | 9 | 5 | |
| h92.550 | 45 | A 6f | 4000/4000 | cancer | 1,6; 5 | | | some | 5, some | 1,2,3,4,5 | 5 | 3 | 8 | 3 | |
| h93.1267 | 46 | A 6g | 4800/4000 | cancer | 2 | | | | | 1,2,3,4,5 | 5 | 5 | 10 | 5 | |
| h93.1610 | 47 | A 7a | 0/4800 | cancer | 1,5 | 1,2,3,4 | | 4, and some in others | | | 2 | 3 | 5 | 3 | |
| h93.804 | 48 | A 7b | 800/4800 | cancer | 7,6 | | | 1,2 | | 1,2 | 5 | 3 | 8 | 3 | |
| | 49 | A 7c | 1600/4800 | cancer | | | | | | | | | | | |
| | 50 | A 7d | 2400/4800 | cancer | | | | | | | | | | | |
| | 51 | A 7e | 3200/4800 | cancer | | | | | | | | | | | |
| | 52 | A 7f | 4000/4800 | cancer | | | | | | | | | | | |
| | 53 | A 7g | 4800/4800 | cancer | | | | | | | | | | | |
| | 54 | A 8a | 0/5600 | cancer | | | | | | | | | | | |
| | 55 | A 8b | 800/5600 | cancer | | | | | | | | | | | |
| | 56 | A 8c | 1600/5600 | cancer | | | | | | | | | | | |
| | 57 | A 8d | 2400/5600 | cancer | | | | | | | | | | | |
| | 58 | A 8e | 3200/5600 | cancer | | | | | | | | | | | |

| BNr | Nr on block | locali- sation | coordinates | category | BI ca | BI gleason 1 | BI gleason 2 | BI gleason 3 | BI gleason 4 | BI gleason 5 | gleason sum | Gleason array | disease |
|----------|----------------|-------------------|-------------|-------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|------------------|---------------------|
| | 59 | A 8f | 4000/5600 | cancer | | | | | | | | | |
| | 60 | A 8g | 4800/5600 | cancer | | | | | | | | | |
| h86.1441 | 61 | | | normal | | | | | | | | | PBPH |
| h86.1810 | 62 | | | normal | | | | | | | | | PBPH |
| h89.8510 | 63 | | | normal | | | | | | | | | PBPH |
| h88.1377 | 64 | | | normal | | | | | | | | | PBPH |
| h88.1744 | 65 | | | normal | | | | | | | | | PBPH |
| h86.1565 | 66 | | | normal | | | | | | | | | PBPH |
| h86.1605 | 67 | | | normal | | | | | | | | | PBPH |
| h86.1601 | 68 | | | normal | | | | | | | | | PBPH |
| h86.501 | 69 | | | normal | 0 | | | | | | | | PBPH |
| h91.1092 | 70 | | | normal | | | | | | | | | PBPH |
| h91.1420 | 71 | B 4b | 800/2400 | normal kidney | | | | | | | | | renal pelvis TCC |
| h93.1995 | 72 | B 4c | 1600/2400 | normal kidney | | | | | | | | | renal pelvis TCC |
| h87.346 | 73 | B 5a | 0/3200 | normal kidney | | | | | | | | | cholecystitis |
| h90.491 | 74 | B 5b | 800/2200 | Normal kidney | | | | | | | | | Hodgkin disease |
| h89.590 | 75 | B 6a | 0/4000 | normal lymph node | | | | | | | | | colon cancer |
| h91.463 | 76 | B 6b | 800/4000 | normal lymph | | | | | | | | | colon cancer |

| BNr | Nr on block | localisation | coordinates | category | BI ca | BI gleason 1 | BI gleason 2 | BI gleason 3 | BI gleason 4 | BI gleason 5 | gleason 1 | gleason 2 | gleason sum | Gleason array | disease |
|----------|-------------|--------------|-------------|------------------------|-------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|-------------|---------------|-----------------|
| | | | | node | | | | | | | | | | | |
| b97.8725 | 77 | B 7a | 0/4800 | normal seminal vesicle | | | | | | | | | | | prostate cancer |
| b97.1001 | 78 | B 7b | 800/4800 | normal seminal vesicle | | | | | | | | | | | prostate cancer |
| b87.115 | 79 | B 8a | 0/5600 | normal thyroid | | | | | | | | | | | thyroid adenoma |
| b87.449 | 80 | B 8b | 800/5600 | normal thyroid | | | | | | | | | | | thyroid adenoma |
| b90.1824 | res no | | | normal | | | | | | | | | | | PBPH |
| b88.1596 | res no | | | normal | | | | | | | | | | | PBPH |
| b87.528 | res no | | | normal | | | | | | | | | | | PBPH |
| b88.1430 | res no | | | normal | | | | | | | | | | | PBPH |

TABLE 5

| BNr | Coordinates | Identical biopsy | sex | age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes Stage | tumor diameter |
|----------|-------------|------------------|-----|-------|--------------------|---------------------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|
| b89.4539 | A1a | f | 84 | colon | adenocarcinoma | | | cecum | G2 | 3 | 1 | C | 35 |
| b89.4746 | A1b | m | 79 | colon | mucinous carcinoma | glandular adenocarcinoma a, 35% | | transverse colon | G2 | 3 | 0 | B | 70 |
| b91.1771 | A1c | m | 70 | colon | adenocarcinoma | | | ascending colon | G2 | 2 | 0 | A | 50 |
| b91.1827 | A1d | m | 64 | colon | adenocarcinoma | | | rectum | G2 | 2 | 0 | A | 25 |
| b91.2771 | A1e | m | 79 | colon | adenocarcinoma | | | cecum | G2 | 3 | 2 | C | 90 |
| b91.2835 | A1f | f | 85 | colon | adenocarcinoma | | | cecum | G2 | 3 | 0 | B | 35 |
| b91.2844 | A1g | m | 72 | colon | mucinous carcinoma | | | sigmoid | G3 | 3 | | | |
| b91.318 | A1h | m | 70 | colon | adenocarcinoma | | | sigmoid | G2 | 3 | | | 15 |
| b91.5093 | A2a | m | 57 | colon | adenocarcinoma | | | cecum | G2 | 3 | 0 | B | 30 |
| b91.5906 | A2b | f | 68 | colon | adenocarcinoma | | | sigmoid | G2 | 3 | | | 30 |
| b91.6176 | A2c | f | 76 | colon | adenocarcinoma | | | ascending colon | G1 | 3 | 0 | B | 25 |
| b91.7315 | A2d | f | 71 | colon | adenocarcinoma | | | left colon | G2 | 2 | 0 | A | 80 |
| b89.2801 | A2e | m | 62 | colon | adenocarcinoma | | | sigmoid | G2 | 1 | 0 | A | 20 |
| b87.1943 | A2f | f | 81 | colon | adenocarcinoma | | | cecum | G2 | 3 | | | 30 |
| b91.747 | A2g | m | 74 | colon | adenocarcinoma | | | sigmoid | G2 | 2 | 0 | A | 40 |

| BNr | Coordinates | Identical biopsy | sex | age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes Stage | tumor diameter |
|----------|-------------|------------------|-----|-----|-------|----------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|
| b91.8316 | A2h | | m | 65 | colon | adenocarcinoma | | ascending colon | G2 | 2 | 2 | C | 70 |
| b91.8864 | A3a | | m | 79 | colon | adenocarcinoma | | sigmoid | G3 | 3 | 2 | C | 40 |
| h86.1400 | A3b | | m | 82 | colon | mucinous carcinoma | | sigmoid | G2 | 3 | 1 | C | 28 |
| h86.1710 | A3c | | | | colon | adenocarcinoma | | | G2 | | | | |
| h86.1788 | A3d | | m | 80 | colon | adenocarcinoma | | cecum | G2 | 3 | 0 | B | 44 |
| h86.1838 | A3e | | f | 83 | colon | adenocarcinoma | mucinous, 10% | sigmoid | G2 | 3 | 0 | B | 39 |
| h86.1988 | A3f | | m | 64 | colon | adenocarcinoma | | descending colon | G2 | 3 | 0 | B | 35 |
| h86.2116 | A3g | | f | 49 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 1 | C | 32 |
| h87.1203 | A3h | | f | 67 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 60 |
| h87.1926 | A4a | | m | 74 | colon | adenocarcinoma | | sigmoid | G3 | 3 | 0 | B | 50 |
| h88.1998 | A4b | | m | 58 | colon | adenocarcinoma | | rectum | G2 | | | | |
| h88.704 | A4c | | m | 75 | colon | adenocarcinoma | | rectosigmoid | G2 | 3 | 0 | B | 50 |
| h89.1392 | A4d | 1 | m | 72 | colon | adenocarcinoma | | rectum | G2 | 2 | 0 | A | 41 |
| h89.143 | A4e | | m | 88 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 45 |
| h89.1771 | A4f | | m | 73 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 52 |
| h89.1801 | A4g | | f | 72 | colon | adenocarcinoma | | sigmoid | G2 | 2 | 0 | A | 25 |
| h89.511 | A4h | | f | 81 | colon | adenocarcinoma | mucinous, 30% | sigmoid | G2 | 3 | 0 | B | 50 |

| BNr | Coordinates | Identical biopsy | sex | age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes Stage | tumor diameter |
|----------|-------------|------------------|-----|-----|-------|----------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|
| h89.555 | A5a | | m | 77 | colon | adenocarcinoma | | ascending colon | G2 | 3 | 1 | C | 30 |
| h89.564 | A5b | | f | 87 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 1 | C | 30 |
| h89.590 | A5c | 2 | m | 60 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 60 |
| h90.1349 | A5d | | f | 65 | colon | adenocarcinoma | | right colon | G2 | 3 | 0 | B | 43 |
| h90.2023 | A5e | | m | 75 | colon | adenocarcinoma | | rectosigmoid | G2 | 3 | 1 | C | 60 |
| h90.322 | A5f | 3 | | | colon | adenocarcinoma | mucinous, 5% | cecum | G2 | 2 | 0 | A | 37 |
| h91.1028 | A5g | | m | 43 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 70 |
| h91.1311 | A6a | | m | 78 | colon | adenocarcinoma | | rectum | G2 | 3 | 0 | B | 40 |
| h91.1911 | A6b | | f | 56 | colon | adenocarcinoma | mucinous, 40% | coecum | G2 | 3 | 0 | B | 164 |
| h91.463 | A6c | 4 | f | 76 | colon | medullary carcinoma | | right colon | G3 | 3 | 0 | B | 70 |
| h91.601 | A6d | | f | 81 | colon | adenocarcinoma | mucinous, 10% | right colon | G2 | 3 | 1 | C | 60 |
| h91.643 | A6e | 5 | f | 82 | colon | medullary carcinoma | | right colon | G3 | 3 | 0 | B | 135 |
| h92.1 | A6f | | m | 61 | colon | adenocarcinoma | | rectosigmoid | G2 | 2 | 1 | C | 17 |
| h92.1007 | A6g | | f | 79 | colon | adenocarcinoma | | sigmoid | G2 | | | | 22 |
| h92.1102 | A7a | | f | 77 | colon | adenocarcinoma | mucinous, 10% | transverse colon | G3 | 3 | 1 | C | 30 |
| h92.1606 | A7b | 6 | f | 74 | colon | adenocarcinoma | | cecum | G2 | | | | |
| h92.236 | A7c | 7 | f | 75 | colon | adenocarcinoma | | rectosigmoid | G2 | 2 | 0 | A | |

| BNr | Coordinates | Identical biopsy | sex | age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes Stage | tumor diameter |
|----------|-------------|------------------|-----|-----|-------|----------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|
| H92.283 | A7d | | m | 76 | colon | adenocarcinoma | | rectum | G2 | 3 | 1 | C | 25 |
| H92.384 | A7e | | f | 60 | colon | adenocarcinoma | | sigmoid | G2 | 1 | | | 14 |
| H92.445 | A7f | | f | 69 | colon | adenocarcinoma | mucinous, 40% | colon | G2 | 3 | 2 | C | 75 |
| H93.1039 | A7g | 8 | m | 34 | colon | adenocarcinoma | | colon | G2 | 1 | 0 | A | 40 |
| H93.1402 | A8a | | f | 49 | colon | adenocarcinoma | mucinous, 10% | rectosigmoid | G2 | 4 | 0 | B | 38 |
| H93.242 | A8b | | f | 82 | colon | adenocarcinoma | | right colon | G2 | 3 | 0 | B | 40 |
| H93.423 | A8c | 9 | f | 81 | colon | adenocarcinoma | | cecum | G2 | | 0 | | |
| H93.501 | A8d | 10 | m | 85 | colon | adenocarcinoma | mucinous, 20% | rectosigmoid | G2 | 3 | 0 | B | 95 |
| H93.573 | A8e | 11 | f | 78 | colon | medullary carcinoma | | cecum | G3 | 4 | 1 | C | 110 |
| H93.656 | A8f | | f | 90 | colon | adenocarcinoma | | sigmoid | G2 | 2 | 0 | A | 15 |
| H93.870 | A8g | | f | 77 | colon | adenocarcinoma | mucinous, 40% | rectum | G2 | 3 | 2 | C | 25 |
| H89.1392 | B1a | 1 | m | 72 | colon | normal | | | | | | | |
| H90.322 | B1b | 3 | | | colon | normal | | | | | | | |
| H91.1023 | B1c | | m | 63 | colon | normal | | | | | | | |
| H91.643 | B2a | 5 | f | 82 | colon | normal | | | | | | | |
| H92.1606 | B2b | 6 | f | 74 | colon | normal | | | | | | | |
| H92.236 | B2c | 7 | f | 75 | colon | normal | | | | | | | |
| H93.1039 | B3a | 8 | m | 34 | colon | normal | | | | | | | |

| BNr | Coordinates | Identical biopsy | sex | age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes Stage | tumor diameter |
|----------|-------------|------------------|-----|-----|------------|----------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|
| h93.423 | B3b | 9 | f | 81 | colon | normal | | | | | | | |
| h93.501 | B3c | 10 | m | 81 | colon | normal | | | | | | | |
| h93.573 | B4a | 11 | f | 78 | colon | normal | | | | | | | |
| h91.1460 | B4b | | m | 78 | kidney | normal | | | | | | | |
| h93.1995 | B4c | | m | 87 | kidney | normal | | | | | | | |
| b91.7359 | B5a | | f | 71 | liver | normal | | | | | | | |
| h90.491 | B5b | | f | 26 | liver | normal | | | | | | | |
| h89.590 | B6a | 2 | m | 60 | lymph node | normal | | | | | | | |
| h91.463 | B6b | 4 | f | 76 | lymph node | normal | | | | | | | |
| b90.1824 | B7a | | m | | prostate | normal | | | | | | | |
| h91.1092 | B7b | | m | 68 | prostate | normal | | | | | | | |
| h87.315 | B8a | | f | 57 | thyroid | normal | | | | | | | |
| h87.449 | B8b | | m | 26 | thyroid | normal | | | | | | | |

TABLE 6

| Coordinates | identical biopsy | Sex | Age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes stage | Tumor diameter | LN all |
|-------------|---------------------|-----|-----|-------|----------------------|-------------------------------------|-----------------------|---------------------|----|----|----------------|-------------------|--------|
| A 1a | f | f | 84 | colon | adenocarcinoma | | cecum | G2 | 3 | 1 | C | 35 | 16 |
| A 1b | m | m | 79 | colon | mucinous carcinoma | glandular adenocarcinoma, 35% | transverse colon | G2 | 3 | 0 | B | 70 | 10 |
| A 1c | m | m | 70 | colon | adenocarcinoma | | ascending colon | G2 | 2 | 0 | A | 50 | 16 |
| A 1d | m | m | 64 | colon | adenocarcinoma | | rectum | G2 | 2 | 0 | A | 25 | 5 |
| A 1e | m | m | 79 | colon | adenocarcinoma | | cecum | G2 | 3 | 2 | C | 90 | 9 |
| A 1f | f | f | 85 | colon | adenocarcinoma | | cecum | G2 | 3 | 0 | B | 35 | 8 |
| A 1g | m | m | 72 | colon | mucinous carcinoma | | sigmoid | G3 | 3 | | | | |
| A 1h | m | m | 70 | colon | adenocarcinoma | | sigmoid | G2 | 3 | | | 15 | |
| A 2a | m | m | 57 | colon | adenocarcinoma | | cecum | G2 | 3 | 0 | B | 30 | 4 |
| A 2b | f | f | 68 | colon | adenocarcinoma | | sigmoid | G2 | 3 | | | 30 | |
| A 2c | f | f | 76 | colon | adenocarcinoma | | ascending colon | G1 | 3 | 0 | B | 25 | 7 |
| A 2d | f | f | 71 | colon | adenocarcinoma | | left colon | G2 | 2 | 0 | A | 80 | 9 |
| A 2e | m | m | 62 | colon | adenocarcinoma | | sigmoid | G2 | 1 | 0 | A | 20 | 7 |
| A 2f | f | f | 81 | colon | adenocarcinoma | | cecum | G2 | 3 | | | 30 | |

TABLE 6

| Coordinates | identical biopsy | Sex | Age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | Dukes stage | Tumor diameter | LN all | |
|-------------|------------------|-----|-----|-------|----------------------|------------------------|--------------------|------------------|----|-------------|----------------|--------|----|
| A 2g | | m | 74 | colon | adenocarcinoma | | sigmoid | G2 | 2 | 0 | A | 40 | 8 |
| A 2h | | m | 65 | colon | adenocarcinoma | | ascending colon | G2 | 2 | 2 | C | 70 | 9 |
| A 3a | | m | 79 | colon | adenocarcinoma | | sigmoid | G3 | 3 | 2 | C | 40 | 6 |
| A 3b | | m | 82 | colon | mucinous carcinoma | | sigmoid | G2 | 3 | 1 | C | 28 | 5 |
| A 3c | | | | colon | adenocarcinoma | | | G2 | | | | | |
| A 3d | | m | 80 | colon | adenocarcinoma | | cecum | G2 | 3 | 0 | B | 44 | 6 |
| A 3e | | f | 83 | colon | adenocarcinoma | mucinous, 10% | sigmoid | G2 | 3 | 0 | B | 39 | 8 |
| A 3f | | m | 64 | colon | adenocarcinoma | | descending colon | G2 | 3 | 0 | B | 35 | 1 |
| A 3g | | f | 49 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 1 | C | 32 | 7 |
| A 3h | | f | 67 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 60 | 4 |
| A 4a | | m | 74 | colon | adenocarcinoma | | sigmoid | G3 | 3 | 0 | B | 50 | 10 |
| A 4b | | m | 58 | colon | adenocarcinoma | | rectum | G2 | | | | | |
| A 4c | | m | 75 | colon | adenocarcinoma | | rectosigmoid | G2 | 3 | 0 | B | 50 | 2 |
| A 4d 1 | | m | 72 | colon | adenocarcinoma | | rectum | G2 | 2 | 0 | A | 41 | 5 |
| A 4e | | m | 88 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 45 | 3 |
| A 4f | | m | 73 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 52 | 3 |
| A 4g | | f | 72 | colon | adenocarcinoma | | sigmoid | G2 | 2 | 0 | A | 25 | 5 |

TABLE 6

| Coordinates | identical biopsy | Sex | Age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | Dukes stage | Tumor diameter | LN all | |
|-------------|------------------|-----|-------|----------------|----------------------|------------------------|--------------------|------------------|----|-------------|----------------|--------|----|
| A 4h | f | 81 | colon | adenocarcinoma | mucinous, 30% | sigmoid | G2 | 3 | 0 | B | 50 | 5 | |
| A 5a | m | 77 | colon | adenocarcinoma | | ascending colon | G2 | 3 | 1 | C | 30 | 5 | |
| A 5b | f | 87 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 1 | C | 30 | 6 | |
| A 5c | 2 | m | 60 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 60 | 5 |
| A 5d | f | 65 | colon | adenocarcinoma | | right colon | G2 | 3 | 0 | B | 43 | 14 | |
| A 5e | m | 75 | colon | adenocarcinoma | | rectosigmoid | G2 | 3 | 1 | C | 60 | 3 | |
| A 5f | 3 | | colon | adenocarcinoma | mucinous, 5% | cecum | G2 | 2 | 0 | A | 37 | 6 | |
| A 5g | m | 43 | colon | adenocarcinoma | | sigmoid | G2 | 3 | 0 | B | 70 | 9 | |
| A 6a | m | 78 | colon | adenocarcinoma | | rectum | G2 | 3 | 0 | B | 40 | 4 | |
| A 6b | f | 56 | colon | adenocarcinoma | mucinous, 40% | coecum | G2 | 3 | 0 | B | 164 | 22 | |
| A 6c | 4 | f | 76 | colon | medullary carcinoma | | right colon | G3 | 3 | 0 | B | 70 | 10 |
| A 6d | f | 81 | colon | adenocarcinoma | mucinous, 10% | | right colon | G2 | 3 | 1 | C | 60 | 5 |
| A 6e | 5 | f | 82 | colon | medullary carcinoma | | right colon | G3 | 3 | 0 | B | 135 | 5 |
| A 6f | m | 61 | colon | adenocarcinoma | | | rectosigmoid | G2 | 2 | 1 | C | 17 | 5 |
| A 6g | f | 79 | colon | adenocarcinoma | | | sigmoid | G2 | | | 22 | | |
| A 7a | f | 77 | colon | adenocarcinoma | mucinous, 10% | | transverse colon | G3 | 3 | 1 | C | 30 | 2 |

TABLE 6

| Coordinates | identical biopsy | Sex | Age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes stage | Tumor diameter | LN all |
|-------------|------------------|-----|-----|-------|----------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|--------|
| A 7b | 6 | f | 74 | colon | adenocarcinoma | | cecum | G2 | | | | | |
| A 7c | 7 | f | 75 | colon | adenocarcinoma | | rectosigmoid | G2 | 2 | 0 | A | | 9 |
| A 7d | | m | 76 | colon | adenocarcinoma | | rectum | G2 | 3 | 1 | C | 25 | 3 |
| A 7e | | f | 60 | colon | adenocarcinoma | | sigmoid | G2 | 1 | | | 14 | |
| A 7f | | f | 69 | colon | adenocarcinoma | mucinous, 40% | colon | G2 | 3 | 2 | C | 75 | 10 |
| A 7g | 8 | m | 34 | colon | adenocarcinoma | | colon | G2 | 1 | 0 | A | 40 | 8 |
| A 8a | | f | 49 | colon | adenocarcinoma | mucinous, 10% | rectosigmoid | G2 | 4 | 0 | B | 38 | 9 |
| A 8b | | f | 82 | colon | adenocarcinoma | | right colon | G2 | 3 | 0 | B | 40 | 4 |
| A 8c | 9 | f | 81 | colon | adenocarcinoma | | cecum | G2 | | 0 | | | 12 |
| A 8d | 10 | m | 85 | colon | adenocarcinoma | mucinous, 20% | rectosigmoid | G2 | 3 | 0 | B | 95 | 7 |
| A 8e | 11 | f | 78 | colon | medullary carcinoma | | cecum | G3 | 4 | 1 | C | 110 | 5 |
| A 8f | | f | 90 | colon | adenocarcinoma | | sigmoid | G2 | 2 | 0 | A | 15 | 1 |
| A 8g | | f | 77 | colon | adenocarcinoma | mucinous, 40% | rectum | G2 | 3 | 2 | C | 25 | 6 |
| B 1a | 1 | m | 72 | colon | normal | | | | | | | | |
| B 1b | 3 | | | colon | normal | | | | | | | | |
| B 1c | | m | 63 | colon | normal | | | | | | | | |
| B 2a | 5 | f | 82 | colon | normal | | | | | | | | |

TABLE 6

| Coordinates | Identical biopsy | Sex | Age | Organ | Histologic diagnosis | Other tumor components | Tumor localization | Histologic grade | pT | pN | Dukes stage | Tumor diameter | LN all |
|-------------|------------------|-----|-----|------------|----------------------|------------------------|--------------------|------------------|----|----|-------------|----------------|--------|
| B 2b | 6 | f | 74 | colon | normal | | | | | | | | |
| B 2c | 7 | f | 75 | colon | normal | | | | | | | | |
| B 3a | 8 | m | 34 | colon | normal | | | | | | | | |
| B 3b | 9 | f | 81 | colon | normal | | | | | | | | |
| B 3c | 10 | m | 81 | colon | normal | | | | | | | | |
| B 4a | 11 | f | 78 | colon | normal | | | | | | | | |
| B 4b | | m | 78 | kidney | normal | | | | | | | | |
| B 4c | | m | 87 | kidney | normal | | | | | | | | |
| B 5a | | f | 71 | liver | normal | | | | | | | | |
| B 5b | | f | 26 | liver | normal | | | | | | | | |
| B 6a | 2 | m | 60 | lymph node | normal | | | | | | | | |
| B 6b | 4 | f | 76 | lymph node | normal | | | | | | | | |
| B 7a | | m | | prostate | normal | | | | | | | | |
| B 7b | | m | 68 | prostate | normal | | | | | | | | |
| B 8a | | f | 47 | thyroid | normal | | | | | | | | |
| B 8b | | m | 26 | thyroid | normal | | | | | | | | |

TABLE 7

| CS 200 Microarray | |
|-------------------|--|
| colon | done 20 4 |
| prostate | done 20 4 |
| lung | done 20 4 |
| breast | done 20 4 |
| bladder | easy 20 4 |
| melanoma | easy 20 4 |
| basilioma | easy 20 4 |
| endometrium | easy 20 4 |
| spinalioma | easy 20 4 |
| kidney | possible 20 4 |
| ovary | possible 20 4 |
| brain | possible 20 4 glioblastoma astrocytoma grade 3 rather than 2 |
| gastric | possible 20 4 |
| cervix | possible 20 4 |
| thyroid | 280 56 |
| testis | 672 |
| lymphoma | |
| head & neck | |

TABLE 8

| Localisation | Coordinates | BNr | status | Pat Nr | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|--------------|-------------|----------|--------|--------|------------|-----------------|-------------|-------------|-------------|-------------|-------------|
| A 1a | 0/0 | b91.4662 | ok | 1 | NO | NO | NO | stroma | NO | NO | CE5 |
| A 1b | 8000/0 | b91.4662 | ok | 1 | NO | NO | NO | stroma | NO | INFL | NO |
| A 1c | 16000/0 | h80.193 | ok | 3 | CIN3 | NO | NO | NO | NO | NO | INFL |
| A 1d | 24000/0 | h80.193 | ok | 3 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 1e | 32000/0 | h86.1081 | ok | 9 | NO | NO | NO | NO | NO | NO | NO |
| A 1f | 40000/0 | h86.1081 | ok | 9 | NO | NO | NO | NO | NO | NO | NO |
| A 1g | 48000/0 | h86.1227 | ok | 10 | NO | NO | NO | first empty | first empty | first empty | NO |
| A 1h | 56000/0 | h86.1227 | ok | 10 | NO | NO | first empty | first empty | NO | NO | NO |
| A 1i | 64000/0 | h86.1493 | ok | 12 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 1j | 72000/0 | h86.1493 | ok | 12 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 1k | 80000/0 | h86.1719 | ok | 13 | NO | NO | first empty | first empty | NO | first empty | NO |
| A 1l | 88000/0 | h86.1719 | ok | 13 | NO | NO | NO | NO | NO | first empty | first empty |
| A 1m | 96000/0 | h86.1772 | ok | 14 | NO | NO | NO | NO | NO | NO | NO |
| A 1n | 104000/0 | h86.1772 | ok | 14 | NO | NO | NO | NO | first empty | NO | NO |
| A 1o | 112000/0 | h87.1313 | ok | 15 | CIN3 | NO | first empty | first empty | first empty | first empty | first empty |
| A 1p | 120000/0 | h87.1313 | ok | 15 | CIN3 | NO | NO | NO | first empty | NO | NO |
| A 2a | 0/800 | h88.1257 | ok | 22 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2b | 800/800 | h88.1257 | ok | 22 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2c | 1600/800 | h88.577 | ok | 27 | CIN3 | NO | NO | NO | NO | first empty | NO |
| A 2d | 2400/800 | h88.577 | ok | 27 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2e | 3200/800 | h89.114 | ok | 32 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2f | 4000/800 | h89.114 | ok | 32 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2g | 4800/800 | h89.1806 | ok | 37 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2h | 5600/800 | h89.1806 | ok | 37 | CIN3 | NO | first empty | stroma | empty | empty | empty |
| A 2i | 6400/800 | h90.1681 | ok | 44 | NO | NO | NO | NO | NO | NO | NO |
| A 2j | 7200/800 | h90.1681 | ok | 44 | NO | NO | first empty | NO | NO | NO | NO |

| Localisation | Coordinates | BNr | status | Pat.Nr | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|--------------|-------------|----------|--------|--------|------------|-----------------|-------------------------------|-------------|-------------|-------------|--------|
| A 2k | 8000/800 | h90.1709 | ok | 45 | NO | NO | first empty | NO | NO | NO | NO |
| A 2l | 8800/800 | h90.1709 | ok | 45 | NO | NO | NO | NO | NO | NO | NO |
| A 2m | 9600/800 | h90.1796 | ok | 46 | NO | NO | NO | NO | NO | NO | INFL |
| A 2n | 10400/800 | h90.1796 | ok | 46 | NO | NO | NO | NO | NO | NO | NO |
| A 2o | 11200/800 | h90.1850 | ok | 47 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 2p | 12000/800 | h90.1850 | ok | 47 | CIN3 | NO | NO | NO | empty | empty | empty |
| A 3a | 0/1600 | h91.1044 | ok | 49 | NO | NO | NO | NO | NO | NO | NO |
| A 3b | 800/1600 | h91.1044 | ok | 49 | NO | NO | NO | NO | NO | NO | NO |
| A 3c | 1600/1600 | h91.1741 | ok | 54 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 3d | 2400/1600 | h91.1741 | ok | 54 | CIN3 | NO | NO | NO | NO | first empty | empty |
| A 3e | 3200/1600 | h91.206 | ok | 57 | NO | NO | stroma | NO | ENDO | NO | NO |
| A 3f | 4000/1600 | h91.206 | ok | 57 | NO | NO | first empty | NO | stroma | NO | stroma |
| A 3g | 4800/1600 | h91.826 | ok | 62 | CIN3 | NO | stroma | CIN1 | CIN1 | NO | stroma |
| A 3h | 5600/1600 | h91.826 | ok | 62 | CIN3 | NO | stroma | first empty | empty | empty | empty |
| A 3i | 6400/1600 | h92.1411 | ok | 65 | CIN3 | NO | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 3j | 7200/1600 | h92.1411 | ok | 65 | CIN3 | NO | CIN1 | CIN1 | empty | empty | empty |
| A 3k | 8000/1600 | h92.1424 | ok | 66 | CIN2 | NO | NO | NO | first empty | NO | NO |
| A 3l | 8800/1600 | h92.1424 | ok | 66 | CIN2 | NO | NO | NO | NO | NO | ENDO |
| A 3m | 9600/1600 | h92.1446 | ok | 67 | CIN3 | NO | NO | NO | NO | INFL | INFL |
| A 3n | 10400/1600 | h92.1446 | ok | 67 | CIN3 | NO | NO | NO | NO | NO | NO |
| A 3o | 11200/1600 | h92.1513 | ok | 68 | CIN2 | NO | CIN1 | NO | NO | NO | empty |
| A 3p | 12000/1600 | h92.1513 | ok | 68 | CIN2 | NO | first empty | empty | empty | empty | empty |
| A 4a | 0/2400 | h92.1529 | ok | 69 | CIN3 | NO | CIN 1-2 at one edge of sample | NO | NO | CIN1 | NO |
| A 4b | 800/2400 | h92.1529 | ok | 69 | CIN3 | NO | NO | NO | empty | empty | empty |
| A 4c | 1600/2400 | h92.1676 | ok | 72 | NO | NO | stroma | NO | NO | NO | ENDO |
| A 4d | 2400/2400 | h92.1676 | ok | 72 | NO | NO | NO | NO | NO | NO | stroma |

| Localisa- tion | Coordinates | BNr | status | Pat Nr | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|-------------------|-------------|----------|--------|--------|------------|-----------------|-------------|--------|--------|-------------|--------|
| A 4e | 3200/2400 | h92.1758 | ok | 73 | CIN3 | NO | first empty | NO | NO | NO | NO |
| A 4f | 4000/2400 | h92.1758 | ok | 73 | CIN3 | NO | stroma | stroma | stroma | first empty | NO |
| A 4g | 4800/2400 | h91.33 | ok | 59 | NO | NO | INFL | ENDO | NO | NO | stroma |
| A 4h | 5600/2400 | h91.33 | ok | 59 | NO | NO | NO | NO | stroma | NO | NO |
| A 4i | 6400/2400 | h92.554 | ok | 78 | NO | NO | NO | NO | stroma | NO | NO |
| A 4j | 7200/2400 | h92.554 | ok | 78 | NO | NO | NO | empty | empty | empty | empty |
| A 4k | 8000/2400 | h92.604 | ok | 79 | CIN3 | NO | NO | stroma | NO | NO | CIN1 |
| A 4l | 8800/2400 | h92.604 | ok | 79 | CIN3 | NO | INFL | NO | NO | NO | NO |
| A 4m | 9600/2400 | h92.792 | ok | 81 | NO | NO | NO | NO | INFL | NO | NO |
| A 4n | 10400/2400 | h92.792 | ok | 81 | NO | NO | NO | NO | NO | stroma | stroma |
| A 4o | 11200/2400 | h93.1016 | ok | 82 | NO | NO | NO | stroma | NO | stroma | NO |
| A 4p | 12000/2400 | h93.1016 | ok | 82 | NO | NO | NO | NO | NO | NO | NO |
| A 5a | 0/3200 | h93.1762 | ok | 85 | CIN2 | NO | NO | empty | NO | NO | NO |
| A 5b | 800/3200 | h93.1762 | ok | 85 | CIN2 | NO | first empty | CIN1 | NO | NO | CIN1 |
| A 5c | 1600/3200 | h93.219 | ok | 91 | CIN2 | NO | CIN1 | CIN1 | NO | CIN1 | CIN1 |
| A 5d | 2400/3200 | h93.219 | ok | 91 | CIN2 | NO | CIN1 | NO | empty | empty | empty |
| A 5e | 3200/3200 | h93.254 | ok | 93 | NO | NO | NO | NO | NO | NO | stroma |
| A 5f | 4000/3200 | h93.254 | ok | 93 | NO | NO | stroma | stroma | NO | empty | empty |
| A 5g | 4800/3200 | h93.317 | ok | 95 | NO | NO | INFL | NO | stroma | stroma | stroma |
| A 5h | 5600/3200 | h93.317 | ok | 95 | NO | NO | INFL | NO | NO | stroma | stroma |
| A 5i | 6400/3200 | h93.364 | ok | 97 | NO | NO | NO | NO | NO | stroma | NO |
| A 5j | 7200/3200 | h93.364 | ok | 97 | NO | NO | empty | empty | empty | empty | empty |
| A 5k | 8000/3200 | h80.193 | ok | 3 | CIN3 | ENDO | ENDO | stroma | stroma | stroma | ENDO |
| A 5l | 8800/3200 | h89.11 | ok | 31 | NO | ENDO | ENDO | ENDO | ENDO | ENDO | ENDO |
| A 5m | 9600/3200 | h89.114 | ok | 32 | CIN3 | ENDO | stroma | ENDO | ENDO | ENDO | ENDO |
| A 5n | 10400/3200 | h90.1681 | ok | 44 | NO | ENDO | ENDO | ENDO | ENDO | ENDO | ENDO |
| A 5o | 11200/3200 | h90.1850 | ok | 47 | CIN3 | ENDO | ENDO | ENDO | stroma | ENDO | stroma |

| Localisation | Coordinates | BNr | status | Pat N° | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|--------------|-------------|----------|--------|--------|---------------------|-----------------|-----------|-----------|-------------|-------------|-------------|
| A 5p | 12000/3200 | h92.1424 | ok | 66 | CIN2 | ENDO | ENDO | ENDO | ENDO | ENDO INFL | ENDO |
| A 6a | 0/4000 | h92.792 | ok | 81 | NO | ENDO | ENDO | ENDO | ENDO | ENDO | ENDO |
| A 6b | 800/4000 | h93.2013 | ok | 89 | CIN3 | ENDO | stroma | ENDO | ENDO | ENDO | ENDO |
| A 6c | 1600/4000 | h93.219 | ok | 91 | CIN2 | ENDO | ENDO | stroma | stroma | ENDO | stroma |
| A 6d | 2400/4000 | h88.779 | ok | 29 | CIN1 | INFL ENDO | ENDO INFL | ENDO INFL | empty | empty | empty |
| A 6e | 3200/4000 | h86.1433 | ok | 12 | squamous metaplasia | INFL | stroma | INFL | NO | INFL | stroma |
| A 6f | 4000/4000 | h91.206 | ok | 57 | INFL | INFL | INFL | INFL | INFL | NO | INFL |
| A 6g | 4800/4000 | h81.910 | ok | 4 | CIN3 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 6h | 5600/4000 | h82.332 | ok | 5 | CIN1 | CIN1 | CIN1 | CIN1 | first empty | first empty | first empty |
| A 6i | 6400/4000 | h83.704 | ok | 8 | CIN2 | CIN1 | CIN1 | CIN1 | CIN1 | empty | empty |
| A 6j | 7200/4000 | h87.932 | ok | 21 | CIN1 | CIN1 | ENDO INFL | INFL | CIN1 | empty | empty |
| A 6k | 8000/4000 | h88.2032 | ok | 25 | CIN3 | CIN1 | CIN3 | CIN1 | CIN1 | CIN1 | empty |
| A 6l | 8800/4000 | h88.647 | ok | 28 | CIN3 | CIN1 | NO | NO | first empty | CIN1 | CIN1 |
| A 6m | 9600/4000 | h88.779 | ok | 29 | CIN1 | CIN1 | unuseful | NO | CIN1 | CIN1 | empty |
| A 6n | 10400/4000 | h89.1529 | ok | 36 | CIN1 | CIN1 | CIN1 | ENDO | CIN1 | CIN1 | CIN1 |
| A 6o | 11200/4000 | h89.1915 | ok | 39 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 6p | 12000/4000 | h91.1572 | ok | 52 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 7a | 0/4800 | h91.1615 | ok | 53 | CIN1 | CIN1 | CIN1 | NO | CIN1 | CIN1 | CIN1 |
| A 7b | 800/4800 | h91.1788 | ok | 55 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | NO | CIN1 |
| A 7c | 1600/4800 | h91.237 | ok | 58 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 7d | 2400/4800 | h92.441 | ok | 76 | CIN3 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 7e | 3200/4800 | h92.731 | ok | 80 | CIN1 | CIN1 | CIN1 | CIN1 | stroma | first empty | empty |
| A 7f | 4000/4800 | h93.1391 | ok | 83 | CIN1 | CIN1 | NO | CIN1 | CIN1 | empty | empty |
| A 7g | 4800/4800 | h93.1600 | ok | 84 | CIN1 | CIN1 | CIN1 | NO | CIN1 | CIN1 | CIN1 |
| A 7h | 5600/4800 | h93.2030 | ok | 90 | CIN2 | CIN1 | NO | CIN1 | CIN1 | CIN1 | NO |
| A 7i | 6400/4800 | h93.253 | ok | 92 | CIN1 | CIN1 | CIN1 | ENDO | empty | empty | empty |
| A 7j | 7200/4800 | h93.298 | ok | 94 | CIN1 | CIN1 | NO | NO | NO | ENDO INFL | ENDO |

| Localisation | Coordinates | BNr | status | Pat Nr | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|--------------|-------------|-----------|--------|--------|------------|-----------------|--------|-------------|--------|-------------|-------------|
| A 7k | 8000/4800 | h93.344 | ok | 96 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 | CIN1 |
| A 7l | 8800/4800 | h93.364 | ok | 97 | CIN1 | CIN1 | ENDO | ENDO | empty | empty | empty |
| A 7m | 9600/4800 | h83.494 | ok | 7 | CIN3 | CIN2 | CIN3 | CIN3 | empty | empty | empty |
| A 7n | 10400/4800 | h87.1932 | ok | 16 | CIN2 | CIN2 | CIN2 | CIN2 | empty | empty | empty |
| A 7o | 11200/4800 | h89.1208 | ok | 34 | CIN2 | CIN2 | CIN2 | ENDO | CIN2 | empty | empty |
| A 7p | 12000/4800 | h89.1527 | ok | 35 | CIN2 | CIN2 | CIN1 | CIN1 | CIN2 | CIN2 | empty |
| A 8a | 0/5600 | h89.1837 | ok | 38 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 | empty | empty |
| A 8b | 800/5600 | HP90.1323 | ok | 42 | CIN2 | CIN2 | CIN2 | CIN2 | NO | CIN2 | NO |
| A 8c | 1600/5600 | h91.339 | ok | 60 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 |
| A 8d | 2400/5600 | h91.826 | ok | 62 | CIN3 | CIN2 | CIN1 | CIN2 | ENDO | CIN2 | empty |
| A 8e | 3200/5600 | h92.1357 | ok | 63 | CIN2 | CIN2 | CIN1 | ENDO INFL | CIN2 | CIN2 | empty |
| A 8f | 4000/5600 | h92.1371 | ok | 64 | CIN2 | CIN2 | CIN1 | CIN1 | ENDO | INFL | CIN2 |
| A 8g | 4800/5600 | h92.1578 | ok | 70 | CIN3 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 | empty |
| A 8h | 5600/5600 | h92.458 | ok | 77 | CIN3 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 |
| A 8i | 6400/5600 | h93.1762 | ok | 85 | CIN2 | CIN2 | CIN2 | ENDO | CIN2 | ENDO | first empty |
| A 8j | 7200/5600 | h93.219 | ok | 91 | CIN2 | CIN2 | CIN2 | CIN2 | CIN2 | stroma | INFL |
| A 8k | 8000/5600 | h87.2006 | ok | 17 | CIN3 | CIN2, INFL | stroma | stroma | ENDO | stroma | INFL |
| A 8l | 8800/5600 | H82.352 | ok | 5 | CIN3 | CIN3 | CIN2 | first empty | stroma | first empty | CIN3 |
| A 8m | 9600/5600 | h83.2 | ok | 6 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 |
| A 8n | 10400/5600 | h86.1309 | ok | 11 | CIN3 | CIN3 | CIN3 | first empty | CIN3 | CIN3 | CIN3 |
| A 8o | 11200/5600 | h86.1493 | ok | 12 | CIN3 | CIN3 | CIN3 | stroma | ENDO | CIN3 | CIN3 |
| A 8p | 12000/5600 | h87.1313 | ok | 15 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 |
| A 9a | 0/6400 | h87.465 | ok | 20 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN2 | CIN3 |
| A 9b | 800/6400 | h88.1257 | ok | 22 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | empty |
| A 9c | 1600/6400 | h88.1739 | ok | 24 | CIN3 | CIN3 | CIN3 | empty | empty | empty | empty |
| A 9d | 2400/6400 | h88.2032 | ok | 25 | CIN3 | CIN3 | CIN3 | CIN3 | empty | empty | empty |
| A 9e | 3200/6400 | h88.451 | ok | 26 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | empty | empty |

| Localisation | Coordinates | BNr | status | Pat Nr | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|--------------|-------------|----------|--------|--------|----------------|-----------------|----------------|----------------|-------------|--------|----------------|
| A 9f | 4000/6400 | h88.577 | ok | 27 | CIN3 | CIN3 | CIN3 | CIN3 | small CIN3 | CIN3 | CIN3 |
| A 9g | 4800/6400 | h89.114 | ok | 32 | CIN3 | CIN3 | stroma | CIN3 | CIN3 | ENDO | empty |
| A 9h | 5600/6400 | h89.1172 | ok | 33 | CIN3 | CIN3 | stroma | stroma | ENDO | CIN3 | ENDO |
| A 9i | 6400/6400 | h89.608 | ok | 41 | CIN3 | CIN3 | ENDO | INFL | INFL | stroma | ENDO |
| A 9j | 7200/6400 | h90.1471 | ok | 43 | CIN3 | CIN3 | CIN3 | CIN3 | empty | empty | empty |
| A 9k | 8000/6400 | h90.1850 | ok | 47 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | empty |
| A 9l | 8800/6400 | h91.1741 | ok | 54 | CIN3 | CIN3 | CIN3 | CIN2 | CIN1 | empty | empty |
| A 9m | 9600/6400 | h91.1904 | ok | 56 | CIN3 | CIN3 | NO | CIN1 | CIN1 | empty | empty |
| A 9n | 10400/6400 | h92.1411 | ok | 65 | CIN3 | CIN3 | ENDO INFL | CIN1 | CIN1 | empty | empty |
| A 9o | 11200/6400 | h92.1446 | ok | 67 | CIN3 | CIN3 | INFL | unclassifiable | CIN1 | CIN3 | CIN3 |
| A 9p | 12000/6400 | h92.1513 | ok | 68 | CIN2 | CIN3 | ENDO | ENDO | ENDO | CIN2 | empty |
| B 1a | 0/0 | h92.1529 | ok | 69 | CIN3 | CIN3 | CIN3 | ENDO | CIN3 | CIN3 | stroma |
| B 1b | 800/0 | h92.1639 | ok | 71 | CIN2 | CIN3 | CIN3 | CIN3 | CIN3 | empty | empty |
| B 1c | 1600/0 | h92.1758 | ok | 73 | CIN3 | CIN3 | ENDO | CIN3 | CIN3 | empty | empty |
| B 1d | 2400/0 | h92.1916 | ok | 74 | CIN3 | CIN3 | first empty | CIN3 | CIN3 | CIN1 | first empty |
| B 1e | 3200/0 | h92.318 | ok | 75 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | empty | empty |
| B 1f | 4000/0 | h92.604 | ok | 79 | CIN3 | CIN3 | unclassifiable | CIN3 | CIN3 | empty | empty |
| B 1g | 4800/0 | h93.1777 | ok | 86 | CIN3 | CIN3 | CIN1 | stroma | CIN1 | empty | empty |
| B 1h | 5600/0 | h93.1810 | ok | 87 | CIN3 | CIN3 | ENDO INFL | CIN3 | CIN3 | INFL | ENDO |
| B 1i | 6400/0 | h93.2013 | ok | 89 | CIN3 | CIN3 | ENDO | ENDO | first empty | ENDO | empty |
| B 1j | 7200/0 | h93.2030 | ok | 90 | CIN2 | CIN3 | CIN3 | CIN3 | CIN3 | CIN3 | unclassifiable |
| B 1k | 8000/0 | h81.910 | ok | 4 | CA | CA | CIN1 | CA | CIN3 | empty | empty |
| B 1l | 8800/0 | h81.910 | ok | 4 | CA | CA | empty | empty | empty | empty | empty |
| B 1m | 9600/0 | h88.934 | ok | 30 | CA | CA | CA | CA | CA | CA | CA |
| B 1n | 10400/0 | h88.934 | ok | 30 | CA | CA | CA | CA | CA | CA | CA |
| B 1o | 11200/0 | h91.1460 | ok | 51 | normal control | kidney | kidney | kidney | kidney | kidney | kidney |
| B 1p | 12000/0 | h93.1995 | ok | 88 | normal control | kidney | kidney | kidney | kidney | kidney | kidney |

| Localisa- tion | Coordinates | BNr | status | Pat Nr | max lesion | targeted lesion | CE1 | CE2 | CE3 | CE4 | CE5 |
|-------------------|-------------|----------|--------|--------|----------------|-----------------|------------|------------|------------|------------|------------|
| B 2a | 0/800 | b91.7359 | | 2 | normal control | liver | liver | liver | liver | liver | liver |
| B 2b | 800/800 | b90.491 | | 48 | normal control | liver | liver | liver | liver | liver | liver |
| B 2c | 1600/800 | b89.590 | | 40 | normal control | lymph node | lymph node | lymph node | lymph node | lymph node | lymph node |
| B 2d | 2400/800 | b91.463 | | 61 | normal control | lymph node | lymph node | lymph node | lymph node | lymph node | lymph node |
| B 2e | 3200/800 | b88.1377 | | 23 | normal control | prostate | prostate | prostate | prostate | prostate | prostate |
| B 2f | 4000/800 | b91.1092 | | 50 | normal control | prostate | prostate | prostate | prostate | prostate | prostate |
| B 2g | 4800/800 | b87.315 | | 18 | normal control | thyroid | thyroid | thyroid | thyroid | thyroid | thyroid |
| B 2h | 5600/800 | b87.449 | | 19 | normal control | thyroid | thyroid | thyroid | thyroid | thyroid | thyroid |

Table 9

| Coordinates | Organ | Histologic tumor type | sex | age | BRE grade | Tubuli | Polymorphy | Mitoses | pT | LN pos | LN all | Tumor diameter | surgery | |
|-------------|--------|------------------------|-----|-----|-----------|--------|------------|---------|----|--------|--------|----------------|------------|------------|
| A 1a | breast | breast cancer, ductal | f | 67 | G2 | 3 | 2 | 1 | 1 | 0 | 23 | 15 | mastectomy | |
| A 1b | breast | breast cancer, ductal | f | 42 | G3 | 3 | 3 | 2 | 1 | 1 | 10 | 40 | lumpectomy | |
| A 1c | breast | breast cancer, ductal | f | 71 | G2 | 3 | 2 | 1 | 1 | 0 | 8 | 8 | mastectomy | |
| A 1d | breast | breast cancer, ductal | f | 65 | G2 | 3 | 2 | 1 | 2 | 1 | 20 | 45 | mastectomy | |
| A 1e | breast | breast cancer, lobular | f | 54 | G2 | 3 | 2 | 1 | 2 | 1 | 16 | 30 | lumpectomy | |
| A 1f | breast | breast cancer, ductal | f | 62 | G2 | 3 | 2 | 1 | 2 | 0 | 14 | 30 | mastectomy | |
| A 1g | breast | breast cancer, ductal | f | 92 | G3 | 3 | 3 | 2 | 2 | | 40 | | mastectomy | |
| A 1h | breast | breast cancer, ductal | f | 48 | G2 | 3 | 3 | 1 | 2 | 0 | 19 | 35 | mastectomy | |
| A 2a | breast | breast cancer, ductal | f | 31 | G2 | 3 | 2 | 1 | 2 | 1 | 3 | 20 | 25 | mastectomy |
| A 2b | breast | breast cancer, ductal | f | 67 | G1 | 1 | 2 | 1 | 1 | 0 | 20 | 10 | mastectomy | |
| A 2c | breast | breast cancer, ductal | f | 49 | G2 | 3 | 2 | 1 | 2 | 1 | 6 | 18 | 23 | mastectomy |
| A 2d | breast | breast cancer, ductal | f | 80 | G2 | 3 | 2 | 1 | 1 | 0 | 1 | 20 | mastectomy | |
| A 2e | breast | breast cancer, ductal | f | 69 | G2 | 3 | 2 | 1 | 3 | 0 | 3 | 55 | mastectomy | |
| A 2f | breast | breast cancer, ductal | f | 61 | G2 | 3 | 2 | 1 | 1 | 0 | 10 | 20 | mastectomy | |
| A 2g | breast | breast cancer, ductal | f | 39 | G3 | 3 | 3 | 2 | 1 | 1 | 5 | 15 | mastectomy | |
| A 2h | breast | breast cancer, ductal | f | 33 | G3 | 3 | 3 | 3 | 2 | | 30 | | lumpectomy | |

Table 9

| Coordinates | Organ | Histologic tumor type | sex | age | BRE grade | Tubuli | Polymorphy | Mitoses | pT | LN pos | LN all | Tumor diameter | surgery |
|-------------|--------|---------------------------|-----|-----|-----------|--------|------------|---------|----|--------|--------|----------------|------------|
| A 3a | breast | breast cancer, ductal | f | | G3 | 2 | 3 | 3 | 2 | | | 40 | mastectomy |
| A 3b | breast | breast cancer, ductal | f | 80 | G2 | 2 | 3 | 1 | 4 | | | 65 | mastectomy |
| A 3c | breast | breast cancer, ductal | f | 62 | G2 | 3 | 2 | 1 | 1 | 1 | 2 | 15 | lumpectomy |
| A 3d | breast | breast cancer, ductal | f | 80 | G3 | 3 | 3 | 2 | 1 | 1 | 3 | 15 | mastectomy |
| A 3e | breast | breast cancer, ductal | f | 60 | G3 | 3 | 3 | 2 | 2 | 1 | 3 | 45 | mastectomy |
| A 3f | breast | breast cancer, lobular | f | 75 | G2 | 3 | 2 | 1 | 3 | 1 | 9 | 70 | mastectomy |
| A 3g | breast | breast cancer, ductal | f | 68 | G1 | 2 | 2 | 1 | | | | | lumpectomy |
| A 3h | breast | breast cancer, ductal | f | 65 | G2 | 2 | 3 | 1 | 4 | | | 85 | lumpectomy |
| A 4a | breast | breast cancer, cribriform | f | | G1 | 1 | 2 | 1 | 2 | | | 29 | |
| A 4b | breast | breast cancer, ductal | f | 72 | G1 | 2 | 2 | 1 | 2 | | | 30 | lumpectomy |
| A 4c | breast | breast cancer, ductal | f | 46 | G2 | 3 | 3 | 1 | 1 | | | 15 | lumpectomy |
| A 4d | breast | breast cancer, mucinous | f | | G1 | 2 | 1 | 1 | | | | | |
| A 4e | breast | breast cancer, ductal | f | 87 | G3 | 3 | 3 | 2 | | | | | lumpectomy |
| A 4f | breast | breast cancer, ductal | f | 44 | G3 | 3 | 3 | 3 | 1 | | | 20 | lumpectomy |
| A 4g | breast | breast cancer, ductal | f | 69 | G1 | 1 | 2 | 1 | | 0 | 0 | 14 | mastectomy |
| A 4h | breast | breast cancer, ductal | f | 88 | G2 | 3 | 2 | 2 | 1 | | | 7 | lumpectomy |

Table 9

| Coordinates | Organ | Histologic tumor type | sex | age | BRE grade | Tubuli | Polymorphy | Mitoses | pT | pN | LN pos | LN all | Tumor diameter | surgery |
|-------------|--------|--|-----|-----|-----------|--------|------------|---------|----|----|--------|--------|----------------|------------|
| A 5a | breast | breast cancer, ductal | f | 76 | G2 | 3 | 2 | 1 | 1 | | | 10 | lumpectomy | |
| A 5b | breast | breast cancer, ductal | f | | G3 | 3 | 3 | 2 | 2 | | | 25 | lumpectomy | |
| A 5c | breast | breast cancer, lobular | f | 78 | G2 | 3 | 2 | 1 | 2 | | | 25 | lumpectomy | |
| A 5d | breast | breast cancer, metaplastic (adenosquamous) | f | | G3 | 3 | 3 | 2 | 1 | | | 20 | lumpectomy | |
| A 5e | breast | breast cancer, lobular | f | 66 | G2 | 3 | 2 | 1 | | | | | mastectomy | |
| A 5f | breast | breast cancer, cribriform. | f | 69 | G1 | 1 | 2 | 1 | 1 | | 9 | | lumpectomy | |
| A 5g | breast | breast cancer, ductal | f | 47 | G2 | 2 | 3 | 1 | 4 | 1 | 1 | 7 | mastectomy | |
| A 6a | breast | breast cancer, ductal | f | 70 | G3 | 3 | 3 | 3 | 2 | 0 | 0 | 12 | lumpectomy | |
| A 6b | breast | breast cancer, ductal | f | 84 | G3 | 3 | 2 | 3 | | | | | lumpectomy | |
| A 6c | breast | breast cancer, ductal | f | 53 | G3 | 3 | 3 | 2 | 1 | 1 | 4 | 13 | lumpectomy | |
| A 6d | breast | breast cancer, ductal | f | 43 | G3 | 3 | 3 | 3 | 4 | 1 | 3 | 14 | lumpectomy | |
| A 6e | breast | breast cancer, ductal | f | 78 | G3 | 3 | 3 | 3 | 2 | | | 22 | lumpectomy | |
| A 6f | breast | breast cancer, ductal | f | 54 | G1 | 2 | 2 | 1 | 1 | | | 18 | lumpectomy | |
| A 6g | breast | breast cancer, ductal | f | 79 | G2 | 3 | 3 | 1 | 2 | | 31 | | lumpectomy | |
| A 7a | breast | breast cancer, ductal | f | 67 | G1 | 2 | 2 | 1 | 1 | 1 | 3 | 9 | 15 | lumpectomy |

Table 9

| Coordinates | Organ | Histologic tumor type | sex | age | BRE grade | Tubuli | Polymorphy | Mitoses | pT | pN | LN pos | LN all | Tumor diameter | surgery |
|-------------|-----------------|--------------------------|-----|-----|-----------|--------|------------|---------|----|----|--------|--------|----------------|------------|
| A 7b | breast | breast cancer, ductal | f | 77 | G1 | 2 | 2 | 1 | 4 | | | | 30 | lumpectomy |
| A 7c | breast | breast cancer, ductal | f | 66 | G2 | 3 | 2 | 1 | 2 | | | | 30 | lumpectomy |
| A 7d | breast | breast cancer, ductal | f | | G2 | 3 | 3 | 1 | 2 | | | | 30 | |
| A 7e | breast | breast cancer, ductal | f | 77 | G2 | 3 | 2 | 1 | | 1 | 1 | 24 | | mastectomy |
| A 7f | breast | breast cancer, ductal | f | 50 | G2 | 3 | 2 | 2 | 1 | | | | 15 | lumpectomy |
| A 7g | breast | breast cancer, medullary | f | 61 | G3 | 3 | 3 | 3 | 1 | | | | 19 | lumpectomy |
| A 8a | breast | breast cancer, tubular | f | 69 | G1 | 1 | 2 | 1 | 2 | | | | 23 | lumpectomy |
| A 8b | breast | breast cancer, ductal | f | 53 | G3 | 5 | 2 | 2 | 2 | 1 | 3 | 14 | 40 | mastectomy |
| A 8c | breast | breast cancer, ductal | f | 81 | G3 | 3 | 3 | 2 | 2 | 0 | 0 | 2 | 30 | mastectomy |
| A 8d | breast | breast cancer, ductal | f | | G2 | 3 | 2 | 1 | 2 | | | | 22 | lumpectomy |
| A 8e | breast | breast cancer, lobular | f | 64 | G2 | 3 | 2 | 1 | 1 | | | | 20 | lumpectomy |
| A 8f | breast | breast cancer, lobular | f | 68 | G2 | 3 | 2 | 1 | 2 | 1 | 17 | 21 | 25 | lumpectomy |
| A 8g | breast | breast cancer, ductal | f | 57 | G2 | 3 | 3 | 1 | | 1 | 3 | 30 | | mastectomy |
| B 1a | breast | fibroadenoma | f | 22 | | | | | | | | | | |
| B 1b | breast | fibroadenoma | f | 29 | | | | | | | | | | |
| B 1c | salivary gland, | normal | m | 52 | | | | | | | | | | |

Table 9

| Coordinates | Organ | Histologic tumor type | sex | age | BRE grade | Tubuli | Polymorphy | Mitoses | pT | pN | LN pos | LN all | Tumor diameter | surgery |
|-------------|-------------------------------|-----------------------|-----|-----|-----------|--------|------------|---------|----|----|--------|--------|----------------|---------|
| | parotis | | | | | | | | | | | | | |
| B 2a | salivary gland, submandibular | normal | f | 31 | | | | | | | | | | |
| B 2b | colon | normal | m | 72 | | | | | | | | | | |
| B 2c | colon | normal | f | 59 | | | | | | | | | | |
| B 3a | seminal vesicle | normal | m | 68 | | | | | | | | | | |
| B 3b | seminal vesicle | normal | m | 60 | | | | | | | | | | |
| B 3c | tonsil | normal | f | 17 | | | | | | | | | | |
| B 4a | tonsil | normal | f | 18 | | | | | | | | | | |
| B 4b | kidney | normal | m | 78 | | | | | | | | | | |
| B 4c | kidney | normal | m | 87 | | | | | | | | | | |
| B 5a | liver | normal | f | 71 | | | | | | | | | | |
| B 5b | liver | normal | f | 26 | | | | | | | | | | |
| B 6a | lymph node | normal | m | 60 | | | | | | | | | | |
| B 6b | lymph node | normal | f | 76 | | | | | | | | | | |
| B 7a | prostate | normal | m | | | | | | | | | | | |
| B 7b | prostate | normal | m | 68 | | | | | | | | | | |

Table 9

| Coordinates | Organ | Histologic tumor type | sex | age | BRE grade | Tubuli | Polymorphy | Mitoses | pT | pN | LN pos | LN all | Tumor diameter | surgery |
|-------------|---------|-----------------------|-----|-----|-----------|--------|------------|---------|----|----|--------|--------|----------------|---------|
| B 8a | thyroid | normal | f | 47 | | | | | | | | | | |
| B 8b | thyroid | normal | m | 26 | | | | | | | | | | |

TABLE 10

| Coordinates | identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | material |
|-------------|---------------------|-----|-----|---------------------------------|-------------------------|---------------------------------|-----------------------|-----------------|
| A 1a | | 47 | f | thyroid | normal | ok | adenoma | biopsy |
| A 1b | | 26 | m | thyroid | normal | ok | adenoma | biopsy |
| A 1c 1 | | 65 | m | thyroid | normal | ok | adenoma | biopsy |
| A 1d 1 | | 65 | m | thyroid | normal | ok | adenoma | biopsy |
| A 1e | | 32 | f | adrenal gland | normal | ok | trauma | autopsy, 3 hrs. |
| A 1f | | 41 | m | adrenal gland | normal | ok | trauma | autopsy, 5 hrs. |
| A 1g | | 37 | m | adrenal gland | normal | ok | trauma | autopsy, 4 hrs. |
| A 1h | | 74 | m | adrenal gland | normal | ok | kidney cancer | biopsy |
| A 2a | | 28 | f | placenta, third trimester | normal | ok | | biopsy |
| A 2b | | 29 | f | placenta, third trimester | normal | ok | | biopsy |
| A 2c | | 32 | f | placenta, third trimester | normal | ok | | biopsy |
| A 2d | | 29 | f | placenta, third trimester | normal | ok | | biopsy |

TABLE 10

| Coordinates | identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | material |
|-------------|------------------|-----|-----|-----------------|----------------------|---------------------------|---------------------|-----------------|
| A 2e | | 25 | m | tonsil | normal | ok | chronic tonsillitis | biopsy |
| A 2f | | 18 | f | tonsil | normal | ok | chronic tonsillitis | biopsy |
| A 2g | | 17 | f | tonsil | normal | ok | chronic tonsillitis | biopsy |
| A 2h | | 34 | m | tonsil | normal | ok | chronic tonsillitis | biopsy |
| A 3a | | 16 | m | lymph node | normal | ok | cholecystitis | biopsy |
| A 3b | | | | lymph node | normal | ok | gastric cancer | biopsy |
| A 3c | | 62 | f | lymph node | normal | ok | breast cancer | biopsy |
| A 3d | | 54 | f | lymph node | normal | ok | breast cancer | biopsy |
| A 3e | | 21 | f | spleen | normal | ok | trauma | biopsy |
| A 3f | | 43 | m | spleen | normal | ok | old hematoma | biopsy |
| A 3g | | 74 | f | spleen | normal | ok | hyperplasia | biopsy |
| A 3h | | 26 | f | spleen | normal | ok | Hodgkin disease | biopsy |
| A 4a | | 32 | f | heart | normal | ok | trauma | autopsy, 3 hrs. |
| A 4b | | 41 | m | heart | normal | ok | trauma | autopsy, 5 hrs. |
| A 4c 2 | | 37 | m | heart | normal | ok | trauma | autopsy, 4 hrs. |
| A 4d 2 | | 37 | m | heart | normal | ok | trauma | autopsy, 4 hrs. |
| A 4e | | 27 | m | skeletal muscle | normal | ok | Seminoma | biopsy |

TABLE 10

| Coordinates | identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | material |
|-------------|------------------|-----|-----|-----------------|---------------------------|---------------------------|------------------------------------|-----------------|
| A 4f | | 43 | m | skeletal muscle | normal | ok | hernia | biopsy |
| A 4g | | 67 | m | skeletal muscle | normal | ok | eyelid resection | biopsy |
| A 4h | | 31 | f | skeletal muscle | normal | ok | thyroid cancer | biopsy |
| A 5a | | 74 | f | liver | normal | ok | mild non-specific portal triaditis | biopsy |
| A 5b | | 85 | m | liver | normal | ok | colon cancer, metastatic | biopsy |
| A 5c | | 71 | m | liver | mild chronic inflammation | ok | cholecystitis | biopsy |
| A 5d | | 26 | f | liver | normal | mild chronic inflammation | Hodgkin disease | biopsy |
| A 5e | 3 | 32 | f | pancreas | normal | ok | trauma | autopsy, 3 hrs. |
| A 5f | 4 | 41 | m | pancreas | normal | ok | trauma | autopsy, 5 hrs. |
| A 5g | 3 | 32 | f | pancreas | normal | ok | trauma | autopsy, 3 hrs. |
| A 6a | 4 | 41 | m | pancreas | normal | ok | trauma | autopsy, 5 hrs. |
| A 6b | | 44 | f | ovary, stroma | normal | ok | abnormal bleedings | biopsy |
| A 6c | | | | ovary, stroma | normal | ok | carcinoma in situ cervix | biopsy |

TABLE 10

| Coordinates | identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | material |
|-------------|---------------------|-----|-----|---------------|-------------------------|---------------------------------|--------------------------------|----------|
| A 6d | | 47 | f | ovary, stroma | normal | ok | hysterectomy | biopsy |
| A 6e | | 47 | f | ovary, stroma | normal | ok | myoma uterus | biopsy |
| A 6f | | 30 | f | myometrium | normal | ok | pelvic pain | biopsy |
| A 6g | | 45 | f | myometrium | normal | ok | menometorrhagia | biopsy |
| A 7a | | 49 | f | myometrium | normal | ok | endometrium cancer | biopsy |
| A 7b | | | | myometrium | normal | ok | carcinoma in situ cervix | biopsy |
| A 7c | | 31 | f | endo sek | normal | ok | prolaps | biopsy |
| A 7d | | 39 | f | endo sek | normal | ok | prolaps | biopsy |
| A 7e | | 32 | f | endo sek | normal | ok | carcinoma in situ cervix | biopsy |
| A 7f | | | | endo sek | normal | ok | carcinoma in situ cervix | biopsy |
| A 7g | | 74 | m | kidney cortex | normal | ok | kidney cancer | biopsy |
| A 8a | | 78 | m | kidney cortex | normal | ok | transitional cell carcinoma | biopsy |
| A 8b | | 88 | m | kidney cortex | normal | ok | kidney cancer | biopsy |
| A 8c | | 87 | m | kidney cortex | normal | ok | transitional cell carcinoma | biopsy |

TABLE 10

| Coordinates | identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | material |
|-------------|---------------------|-----|-----|--------------------|-----------------------------|---------------------------------|-----------------------|----------|
| A 8d | | | m | prostate | normal | ok | BPH | biopsy |
| A 8e | | 68 | m | prostate | normal | ok | prostate cancer | biopsy |
| A 8f | | 86 | m | prostate | normal | ok | BPH | biopsy |
| A 8g | | 58 | m | prostate | normal | ok | BPH | biopsy |
| B 1a | | 60 | m | seminal vesicle | normal | ok | prostate cancer | biopsy |
| B 1b | | 63 | m | seminal vesicle | normal | ok | prostate cancer | biopsy |
| B 1c | | 68 | m | seminal vesicle | normal | ok | prostate cancer | biopsy |
| B 2a | | 65 | m | seminal vesicle | normal | no epithelium | prostate cancer | biopsy |
| B 2b | | 77 | m | testis | decreased spermiogenesis | ok | prostate cancer | biopsy |
| B 2c | | 87 | m | testis | decreased spermiogenesis | ok | prostate cancer | biopsy |
| B 3a | | 86 | m | testis | normal | ok | prostate cancer | biopsy |
| B 3b | | 73 | m | testis | normal | ok | prostate cancer | biopsy |
| B 3c | | 74 | f | lung | normal | ok | lung cancer | biopsy |
| B 4a | | 62 | m | lung | normal | ok | lung cancer | biopsy |

TABLE 10

| Coordinates | identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | material |
|-------------|---------------------|-----|-----|------------|-------------------------|---------------------------------|-----------------------|-------------------|
| B 4b | | 68 | f | lung | normal | ok | lung cancer | biopsy |
| B 4c | | 69 | f | lung | normal | ok | lung cancer | biopsy |
| B 5a | | 41 | m | cerebellum | normal | ok | trauma | autopsy, 5 hrs. |
| B 5b | | 33 | f | cerebellum | normal | ok | trauma | autopsy, <10 hrs. |
| B 6a | 5 | 37 | m | cerebellum | normal | ok | trauma | autopsy, 4 hrs. |
| B 6b | 5 | 37 | m | cerebellum | normal | ok | trauma | autopsy, 4 hrs. |
| B 7a | | 32 | f | cerebrum | normal | ok | trauma | autopsy, 3 hrs. |
| B 7b | | 41 | m | cerebrum | normal | ok | trauma | autopsy, 5 hrs. |
| B 8a | | 33 | f | cerebrum | normal | ok | trauma | autopsy, <10 hrs. |
| B 8b | | 37 | m | cerebrum | normal | ok | trauma | autopsy, 4 hrs. |

Table 11

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|---------------------------|---------------------|---------------|--------------------------|-------------|
| A1a | 1 | 47 | F | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1b | 1 | 47 | F | Thyroid | Thyroid cancer | Normal | Ok | Biopsy |
| A1c | 1 | 47 | F | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1d | 1 | 47 | F | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1e | 2 | 26 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1f | 2 | 26 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1g | 2 | 26 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1h | 3 | 65 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1i | 3 | 65 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1j | 3 | 65 | M | Thyroid | Adenoma | Normal | Ok | Biopsy |
| A1k | 4 | 32 | F | Adrenal gland | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A1l | 4 | 32 | F | Adrenal gland | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A1m | 4 | 32 | F | Adrenal gland | Depression, trauma | Normal | Ok | Autopsy, 3h |
| A1n | 5 | 41 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 3h |
| A1o | 5 | 41 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 3h |
| A1p | 5 | 41 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 3h |
| A2a | 6 | 37 | M | Adrenal gland | Trauma | Normal | Few epithelial cells | Autopsy, 5h |
| A2b | 6 | 37 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 5h |
| A2c | 7 | 74 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 4h |
| A2d | 7 | 74 | M | Adrenal gland | Trauma | Normal | Ok | Autopsy, 4h |
| A2e | 12 | 28 | F | Adrenal gland | Clear cell RCC | Normal | Few epithelial cells | Biopsy |
| A2f | 12 | 28 | F | Placenta, third trimester | Clear cell RCC | Normal | Ok | Biopsy |
| A2g | 12 | 28 | F | Placenta, third trimester | Rapid labor | Normal | Ok | Biopsy |
| A2h | 12 | 28 | F | Placenta, third trimester | Rapid labor | Normal | Ok | Biopsy |
| A2i | 13 | 29 | F | Placenta, third trimester | Rapid labor | Normal | Ok | Biopsy |
| A2j | 13 | 29 | F | Placenta, third trimester | Prolonged labor | Normal | Ok | Biopsy |
| A2k | 14 | 32 | F | Placenta, third trimester | Prolonged labor | Normal | Ok | Biopsy |
| A2l | 14 | 32 | F | Placenta, third trimester | Prolonged labor | Normal | Ok | Biopsy |
| A2m | 15 | 29 | F | Placenta, third trimester | Prolonged labor | Normal | Ok | Biopsy |
| A2n | 15 | 29 | F | Placenta, third trimester | Prolonged labor | Normal | Ok | Biopsy |
| A2o | 16 | 25 | M | Tonsil | Full term pregnancy | Normal | Ok | Biopsy |
| A2p | 17 | 18 | F | Tonsil | Full term pregnancy | Normal | Ok | Biopsy |
| A3a | 18 | 17 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3b | 18 | 17 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3c | 19 | 22 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3d | 19 | 22 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|------------|---------------------|---------------|--------------------------|-------------|
| A3e | 20 | 42 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3f | 20 | 42 | F | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3g | 21 | 34 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3h | 21 | 34 | M | Tonsil | Chronic tonsillitis | Normal | Ok | Biopsy |
| A3i | 22 | 16 | M | Lymph node | Normal | Normal | Ok | Biopsy |
| A3j | 22 | 16 | M | Lymph node | Normal | Normal | Ok | Biopsy |
| A3k | 23 | 76 | M | Lymph node | Gastric cancer | Normal | Ok | Biopsy |
| A3l | 23 | 76 | M | Lymph node | Gastric cancer | Normal | Ok | Biopsy |
| A3m | 24 | 62 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A3n | 24 | 62 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A3o | 24 | 62 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A3p | 25 | 54 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A4a | 25 | 54 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A4b | 25 | 54 | F | Lymph node | Breast cancer | Normal | Ok | Biopsy |
| A4c | 26 | 32 | F | Spleen | Depression trauma | Normal | Ok | Biopsy |
| A4d | 26 | 32 | F | Spleen | Depression trauma | Normal | Ok | Autopsy, 3h |
| A4e | 27 | 21 | F | Spleen | Trauma | Normal | Ok | Autopsy, 3h |
| A4f | 27 | 21 | F | Spleen | Trauma | Normal | Ok | Biopsy |
| A4g | 28 | 43 | M | Spleen | Old hematoma | Normal | Ok | Biopsy |
| A4h | 28 | 43 | M | Spleen | Old hematoma | Normal | Ok | Biopsy |
| A4i | 29 | 74 | F | Spleen | Old hematoma | Normal | Ok | Biopsy |
| A4j | 29 | 74 | F | Spleen | Old hematoma | Normal | Ok | Biopsy |
| A4k | 30 | 26 | F | Spleen | Hodgkin disease | Normal | Ok | Biopsy |
| A4l | 30 | 26 | F | Spleen | Hodgkin disease | Normal | Ok | Biopsy |
| A4m | 31 | 68 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4n | 31 | 68 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4o | 32 | 44 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4p | 32 | 44 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4q | 33 | 53 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4r | 33 | 53 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4s | 33 | 53 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4t | 34 | 57 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4u | 34 | 57 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4v | 34 | 57 | F | Skin | Breast cancer | Normal | Ok | Biopsy |
| A4w | 35 | 32 | F | Heart | Depression trauma | Normal | Ok | Biopsy |
| A4x | 35 | 32 | F | Heart | Depression trauma | Normal | Ok | Autopsy, 3h |
| A4y | 35 | 32 | F | Heart | Depression trauma | Normal | Ok | Autopsy, 3h |
| A4z | 36 | 41 | M | Heart | Trauma | Normal | Ok | Autopsy, 5h |
| A5a | 36 | 41 | M | Heart | Trauma | Normal | Ok | Autopsy, 5h |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|--------------------------|----------------------|---------------|--------------------------|-------------|
| A5l | 36 | 41 | M | Heart | Trauma | Normal | Ok | Autopsy, 5h |
| A5m | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A5n | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A5o | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A5r | 37 | 37 | M | Heart | Trauma | Normal | Ok | Autopsy, 4h |
| A6a | 38 | 25 | M | Skeletal muscle | Tonsillitis chronica | Normal | Ok | Autopsy, 4h |
| A6b | 39 | 27 | M | Skeletal muscle | Seminoma | Normal | Ok | Biopsy |
| A6c | 40 | 22 | M | Skeletal muscle | Chronic tonsillitis | Normal | Ok | Biopsy |
| A6d | 41 | 43 | M | Skeletal muscle | Hernia | Normal | Ok | Biopsy |
| A6e | 42 | 67 | M | Skeletal muscle | Eyid resection | Normal | Ok | Biopsy |
| A6f | 44 | 67 | M | Skeletal muscle | Eyid resection | Normal | Ok | Biopsy |
| A6g | 44 | 31 | F | Skeletal muscle | Thyroid cancer | Normal | Ok | Biopsy |
| A6h | 45 | | | Skeletal muscle | Breast cancer | Normal | Bleeding, no muscle | Biopsy |
| A6i | 46 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6j | 46 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6k | 47 | 75 | F | Smooth muscle, intestine | Gastric ulcer | Normal | Ok | Biopsy |
| A6l | 48 | 68 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6m | 49 | 91 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6n | 49 | 91 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6o | 50 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6p | 50 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A7a | 51 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A7b | 51 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7c | 52 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7d | 52 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7e | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Lipomatous tissue | Biopsy |
| A7f | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Intestinal metaplasia | Biopsy |
| A7g | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Ok | Biopsy |
| A7h | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Chronic inflammation | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|-----------------|--|---------------|--------------------------|----------|
| A7i | 53 | 75 | F | Stomach, antrum | Gastric cancer, chronic active gastritis | Normal | Chronic inflammation | Biopsy |
| A7j | 54 | 68 | M | Stomach, antrum | | Normal | Chronic inflammation | Biopsy |
| A7k | 54 | 68 | M | Stomach, antrum | | Normal | Chronic inflammation | Biopsy |
| A7l | 54 | 68 | M | Stomach, antrum | | Normal | Chronic inflammation | Biopsy |
| A7m | 54 | 68 | M | Stomach, antrum | | Normal | Chronic inflammation | Biopsy |
| A7n | 54 | 68 | M | Stomach, antrum | | Normal | Chronic inflammation | Biopsy |
| A7o | 56 | 68 | M | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A7p | 56 | 68 | M | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A7q | 57 | 76 | M | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8a | 57 | 76 | M | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8b | 57 | 76 | M | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8c | 58 | 47 | F | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8d | 58 | 47 | F | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8e | 59 | 76 | F | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8f | 59 | 76 | F | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8g | 60 | 90 | F | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8h | 60 | 90 | F | Stomach, corpus | | Normal | Chronic inflammation | Biopsy |
| A8i | 55 | 75 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8j | 55 | 75 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8k | 61 | 81 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8l | 61 | 81 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8m | 62 | 76 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8n | 62 | 76 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8o | 62 | 76 | F | Duodenum | | Normal | Chronic inflammation | Biopsy |
| A8p | 63 | 90 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | No epithelial cells | Biopsy |
| A9a | 63 | 90 | F | Duodenum | | Normal | No epithelial cells | Biopsy |
| A9b | 63 | 90 | F | Duodenum | | Normal | No epithelial cells | Biopsy |
| A9c | 64 | 66 | F | Duodenum | | Normal | No epithelial cells | Biopsy |
| A9d | 65 | 79 | M | Ileum | | Normal | No epithelial cells | Biopsy |
| A9e | 66 | 72 | M | Ileum | | Normal | No epithelial cells | Biopsy |
| A9f | 67 | 57 | M | Ileum | | Normal | No epithelial cells | Biopsy |
| A9g | 68 | 72 | M | Ileum | | Normal | No epithelial cells | Biopsy |
| A9h | 68 | 72 | M | Ileum | | Normal | No epithelial cells | Biopsy |
| A9i | 69 | 85 | M | Ileum | | Normal | No epithelial cells | Biopsy |
| A9j | 69 | 85 | M | Ileum | | Normal | No epithelial cells | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|--------------|------------------------------------|---------------|---------------------------------|----------|
| A9k | 70 | 82 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9l | 70 | 82 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9m | 71 | 79 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9n | 71 | 79 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9o | 72 | 85 | F | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9p | 72 | 85 | F | Colon | Colon cancer | Normal | No epithelial cells | Biopsy |
| B1a | 73 | 72 | M | Colon | Colon adenoma | Normal | Ok | Biopsy |
| B1b | 73 | 72 | M | Colon | Colon adenoma | Normal | Ok | Biopsy |
| B1c | 74 | 57 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1d | 74 | 57 | M | Colon | Colon cancer | Normal | Sample missing on first section | Biopsy |
| B1e | 75 | 85 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1f | 75 | 85 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1g | 76 | 72 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1h | 77 | 57 | M | Appendix | Colon adenoma | Normal | Ok | Biopsy |
| B1i | 77 | 57 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1j | 78 | 25 | F | Appendix | Colon cancer | Normal | Only smooth muscle | Biopsy |
| B1k | 79 | 85 | M | Appendix | Idiopathic megacolon | Normal | Connective tissue | Biopsy |
| B1l | 79 | 85 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1m | 80 | 32 | F | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1n | 80 | 32 | F | Appendix | Uterus endometriosis | Normal | Ok | Biopsy |
| B1o | 81 | 88 | M | Appendix | Uterus endometriosis | Normal | Debris | Biopsy |
| B1p | 81 | 88 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B2a | 82 | 78 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B2b | 82 | 78 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2c | 83 | 16 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2d | 83 | 16 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2e | 84 | 56 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2f | 84 | 56 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2g | 85 | 54 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2h | 85 | 54 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2i | 86 | | | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2j | 86 | | | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2k | 87 | 74 | F | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2l | 87 | 74 | F | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2m | 88 | 85 | M | Liver | Colon cancer, metastatic | Normal | Ok | Biopsy |
| B2n | 88 | 85 | M | Liver | Colon cancer, metastatic | Normal | Ok | Biopsy |
| B2o | 89 | 71 | M | Liver | Cholecystitis | Normal | Ok | Biopsy |
| B2p | 89 | 71 | M | Liver | Cholecystitis | Normal | Inflammation | Biopsy |
| B3a | 89 | 71 | M | Liver | Cholecystitis | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot | Material |
|--------------|------------------|-----|-----|----------------------|--|---------------|---------------------------------|---------------|
| B3b | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3c | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3d | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3e | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3f | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3g | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3h | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3i | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3j | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3k | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3l | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3m | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3n | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3o | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Biopsy |
| B3p | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Biopsy |
| B4a | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Biopsy |
| B4b | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Biopsy |
| B4c | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Biopsy |
| B4d | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Biopsy |
| B4e | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4f | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4g | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4h | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4i | 100 | 44 | F | Ovary, stroma | Abnormal bleedings | Normal | Fallopian tube | Biopsy |
| B4j | 98 | | F | Ovary, stroma | CIS cervix | Normal | Ok | Biopsy |
| B4k | 99 | 45 | F | Ovary, stroma | Menometrorrhagia | Normal | Ok | Biopsy |
| B4l | 100 | 44 | F | Ovary, stroma | Abnormal bleedings | Normal | Ok | Biopsy |
| B4m | 101 | 45 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B4n | 98 | | F | Ovary, stroma | CIS cervix | Normal | Ok | Biopsy |
| B4o | 102 | 47 | F | Ovary, stroma | Hysterectomy | Normal | Sample missing on first section | Biopsy |
| B4p | 102 | 47 | F | Ovary, stroma | Hysterectomy | Normal | Ok | Biopsy |
| B5a | 103 | 47 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B5b | 103 | 47 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B5c | 100 | 44 | F | Ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5d | 105 | 32 | F | Ovary, corpus luteum | Endometriosis uterus | Normal | Ok | Biopsy |
| B5e | 106 | 45 | F | Ovary, corpus luteum | Menometrorrhagia | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|----------------------|--|---------------|---------------------------|----------|
| B5f | 106 | 45 | F | Ovary, corpus luteum | Menometrorrhagia | Normal | Ok | Biopsy |
| B5g | 107 | 44 | F | Ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5h | 107 | 44 | F | Ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5i | 108 | 45 | F | Ovary, corpus luteum | Myoma uterus | Normal | Ok | Biopsy |
| B5j | 108 | 45 | F | Ovary, corpus luteum | Myoma uterus | Normal | Ok | Biopsy |
| B5k | 109 | 47 | F | Ovary, corpus luteum | Hysterectomy | Normal | Ok | Biopsy |
| B5l | 109 | 47 | F | Ovary, corpus luteum | Hysterectomy | Normal | Ok | Biopsy |
| B5m | 110 | 25 | F | Fallopian tube | Hysterectomy | Normal | Ok | Biopsy |
| B5n | 110 | 25 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5o | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5r | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6a | 112 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6b | 111 | 30 | F | Fallopian tube | CIS cervix | Normal | Ok | Biopsy |
| B6c | 113 | 45 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6d | 113 | 45 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6e | 114 | 47 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6f | 114 | 47 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6g | 115 | 42 | F | Myometrium | Dysfunctional bleeding, myoma, adenomyosis | Normal | Some endometrium included | Biopsy |
| B6h | 116 | 28 | F | Myometrium | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B6i | 119 | 30 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6j | 118 | 42 | F | Myometrium | Ovarian cyst (endometriosis) | Normal | Endometrium | Biopsy |
| B6k | 119 | 30 | F | Myometrium | | Normal | Ok | Biopsy |
| B6l | 120 | 45 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6m | 121 | 49 | F | Myometrium | Menometrorrhagia | Normal | Ok | Biopsy |
| B6n | 121 | 49 | F | Myometrium | Endometrium cancer | Normal | Ok | Biopsy |
| B6o | 122 | 49 | F | Myometrium | Endometrium cancer | Normal | Ok | Biopsy |
| B6p | 122 | 49 | F | Myometrium | CIS cervix | Normal | Ok | Biopsy |
| B7a | 122 | 31 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7b | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7c | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7d | 124 | 39 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7e | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7f | 125 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7g | 125 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7h | 126 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7i | 126 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7j | 127 | 47 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7k | 127 | 47 | F | Endo sekr | Hysterectomy | Normal | Ok | Biopsy |
| B7l | 127 | 47 | F | Endo sekr | Hysterectomy | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|---------------|---------------------------------------|---------------|--------------------------|----------|
| B7k | 128 | 28 | F | Endo prol | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7l | 128 | 28 | F | Endo prol | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7m | 129 | 40 | F | Endo prol | Menorrhagia | Normal | Ok | Biopsy |
| B7n | 129 | 40 | F | Endo prol | Menorrhagia | Normal | Few epithelial cells | Biopsy |
| B7o | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7p | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8a | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8b | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8c | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8d | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8e | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8f | 133 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8g | 134 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8h | 135 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8i | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8j | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8k | 137 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B8l | 137 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B8m | 138 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B8n | 138 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B8o | 139 | 41 | F | Endocervix | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8p | 140 | 32 | F | Ektocervix | Endometriosis | Normal | Ok | Biopsy |
| B9a | 141 | | F | Ektocervix | CIS cervix | Normal | Ok | Biopsy |
| B9b | 142 | 49 | F | Ektocervix | CIS cervix | Normal | Ok | Biopsy |
| B9c | 143 | 49 | F | Ektocervix | CIS cervix | Normal | Ok | Biopsy |
| B9d | 143 | 49 | F | Ektocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B9e | 144 | 47 | F | Ektocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B9f | 144 | 47 | F | Ektocervix | Hysterectomy | Normal | Stroma only | Biopsy |
| B9g | 145 | 47 | F | Ektocervix | Hysterectomy | Normal | Ok | Biopsy |
| B9h | 145 | 47 | F | Ektocervix | Myoma uterus | Normal | Ok | Biopsy |
| B9i | 146 | 74 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9j | 146 | 74 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| B9k | 147 | 78 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| B9l | 147 | 78 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9m | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9n | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9o | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|-----------------|------------------------------|---------------|--------------------------|----------|
| B9p | 148 | 88 | M | Kidney cortex | Cancer pylon | Normal | Ok | Biopsy |
| C1a | 149 | 87 | M | Kidney cortex | Cancer pylon | Normal | Ok | Biopsy |
| C1b | 149 | 87 | M | Kidney cortex | Cancer pylon | Normal | Ok | Biopsy |
| C1c | 150 | 74 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1d | 150 | 74 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1e | 151 | 78 | M | Kidney papilla | Cancer pylon | Normal | Ok | Biopsy |
| C1f | 151 | 78 | M | Kidney papilla | Cancer pylon | Normal | Ok | Biopsy |
| C1g | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1h | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1i | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1j | 153 | 87 | M | Kidney papilla | Cancer pylon | Normal | Ok | Biopsy |
| C2a | 153 | 87 | M | Kidney papilla | Cancer pylon | Normal | Ok | Biopsy |
| C2b | 153 | 87 | M | Kidney papilla | Cancer pylon | Normal | Ok | Biopsy |
| C2c | 154 | M | | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2d | 154 | M | | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2e | 155 | 66 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2f | 155 | 66 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2g | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2h | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2i | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2j | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3a | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3b | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3c | 158 | 60 | M | Seminal vesicle | Prostate cancer | Normal | Ok | Biopsy |
| C3d | 158 | 60 | M | Seminal vesicle | Prostate cancer | Normal | Ok | Biopsy |
| PAGE MISSING | | | | | | | | |
| C6b | 167 | 73 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C6c | 168 | 87 | M | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6d | 169 | 87 | M | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6e | 169 | 87 | M | Kidney pelvis | Cancer pylon | Normal | Ok | Biopsy |
| C6f | 169 | 87 | M | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6g | 168 | 87 | M | Kidney pelvis | Cancer pylon | Normal | Ok | Biopsy |
| C6h | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6i | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C6j | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C7a | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | No epithelial cells | Biopsy |
| C7b | 170 | 85 | F | Kidney pelvis | Cancer pylon | Normal | Inflammation | Biopsy |
| C7c | 171 | 63 | F | bronchus | Lung cancer | Normal | No epithelial cells | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|--------------------------|--------------------|---------------|--------------------------|---------------|
| C7d | 171 | 63 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7e | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7f | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7g | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7h | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7i | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7j | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7k | 174 | | | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C8a | 174 | | | Bronchus | Lung cancer | Normal | No epithelial cells | Biopsy |
| C8b | 174 | | | Bronchus | Lung cancer | Normal | No epithelial cells | Biopsy |
| C8c | 175 | 74 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8d | 176 | 62 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8e | 177 | 68 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8f | 178 | 69 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8g | 179 | 51 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8h | 179 | 51 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8i | 180 | 50 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8j | 180 | 50 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8k | 181 | 56 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C9a | 181 | 56 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C9b | 178 | 69 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C9c | 182 | 41 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9d | 182 | 41 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9e | 182 | 41 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9f | 183 | 33 | F | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9g | 183 | 33 | F | Cerebellum | Trauma | Normal | Ok | Autopsy, <10h |
| C9h | 183 | 33 | F | Cerebellum | Trauma | Normal | Ok | Autopsy, <10h |
| C9i | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, <10h |
| C9j | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| D1a | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| D1b | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| D1c | 185 | 32 | F | Cerebrum, grey substance | Depression, trauma | Normal | Ok | Autopsy, 3h |
| D1d | 185 | 32 | F | Cerebrum, grey substance | Depression, trauma | Normal | Ok | Autopsy, 3h |
| D1e | 186 | 41 | M | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, 5h |
| D1f | 186 | 41 | M | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, 5h |
| D1g | 187 | 33 | F | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, <10h |

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| | | | | | | | | |
|--------------|---------------------|-----|-----|-----------------------------|--------------------|------------------|-------------------------|---------------|
| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot | Material |
| Dlh | 187 | 33 | F | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, <10h |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|------------|-----------------|-----|-------------------|
| 1 | 66 | | | | 60 |
| 2 | 55 | | | | 60 |
| 3 | 75 | | | | 60 |
| 4 | 77 | | | | 60 |
| 5 | 81 | | | | 60 |
| 6 | 33 | | | 1 | 60 |
| 7 | 75 | | | 1 | 60 |
| 8 | 77 | | | | 60 |
| 9 | 76 | | | | 60 |
| 10 | 51 | | | | 60 |
| 11 | 45 | | | | 60 |
| 12 | 65 | | | | 60 |
| 13 | 69 | | | | 60 |
| 14 | 61 | | | | 60 |
| 15 | 68 | | | | 60 |
| 16 | 78 | | | | 60 |
| 17 | 79 | | | | 60 |
| 18 | 55 | | | | 60 |
| 19 | 53 | | | | 60 |
| 20 | 82 | | | | 60 |
| 21 | 62 | | | | 60 |
| 22 | 63 | | | | 60 |
| 23 | 66 | | | | 60 |
| 24 | 67 | | | | 60 |
| 25 | 72 | | | | 60 |
| 26 | 79 | | | | 60 |
| 27 | 75 | | | | 60 |
| 28 | 68 | | | | 60 |
| 29 | 77 | | | | 60 |
| 30 | 76 | | | | 60 |
| 31 | 51 | 07/31/1996 | | | 60 |
| 32 | 45 | 07/31/1996 | | | 60 |
| 33 | 65 | 07/31/1996 | | | 60 |
| 34 | 69 | 07/31/1996 | | | 60 |
| 35 | 61 | 07/31/1996 | | | 60 |
| 36 | 68 | 07/31/1996 | | | 60 |
| 37 | 78 | 07/31/1996 | | | 60 |
| 38 | 79 | 07/31/1996 | | | 60 |
| 39 | 55 | 07/31/1996 | | | 60 |
| 40 | 53 | 07/31/1996 | | | 60 |
| 41 | 82 | 07/31/1996 | | | 60 |
| 42 | 62 | 07/31/1996 | | | 60 |
| 43 | 63 | 07/31/1996 | | | 60 |
| 44 | 66 | 07/31/1996 | | | 60 |
| 45 | 67 | 07/31/1996 | | | 60 |
| 46 | 72 | 07/31/1996 | | | 60 |
| 47 | 79 | 07/31/1996 | | | 60 |
| 48 | 75 | 07/31/1996 | | | 60 |
| 49 | 68 | 07/31/1996 | | | 60 |
| 50 | 59 | 07/31/1996 | | | 60 |
| 51 | 56 | 07/31/1996 | | | 60 |
| 52 | 49 | 07/31/1996 | | | 60 |
| 53 | 63 | 07/31/1996 | | | 60 |

Table 12

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

use b89.7117 for PR50

primary tumor also in b91.3181

slides + blocks not found
slides + blocks not found
SEARCH FOR PREVIOUS BIOPSY!
DD papillary
cancer only seen on frozen section

paget

residual tumor
small tumor

residual tumor

residual tumor
dob 21.4.23
sent previously

not macroscop measurable
sent previously

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|------------|
| 1 | 0 | 23 | 0 | 15 | mastectomy |
| 1 | 0 | 17 | 0 | 40 | lumpectomy |
| 1 | 0 | 8 | 0 | 8 | mastectomy |
| 1 | 0 | | 0 | 85 | m |
| 1 | 0 | | 0 | 29 | l |
| 1 | 0 | | 0 | 6 | l |
| 1 | 0 | | 0 | 9 | l |
| 1 | 0 | 20 | 0 | 45 | mastectomy |
| 1 | 0 | 14 | 0 | 30 | mastectomy |
| 1 | 0 | 0 | 0 | 40 | mastectomy |
| 1 | 0 | 19 | 0 | 35 | mastectomy |
| 1 | 0 | 20 | 0 | 25 | mastectomy |
| 1 | 0 | 20 | 0 | 10 | mastectomy |
| 1 | 0 | 18 | 0 | 23 | mastectomy |
| 1 | 0 | 3 | 0 | 55 | mastectomy |
| 1 | 0 | 10 | 0 | 20 | mastectomy |
| 1 | 0 | 19 | 0 | 15 | mastectomy |
| 1 | 0 | 0 | 0 | 30 | lumpectomy |
| 1 | 0 | 0 | 0 | 40 | mastectomy |
| 1 | 0 | 21 | 0 | 15 | lumpectomy |
| 1 | 0 | 17 | 0 | 60 | mastectomy |
| 1 | 0 | 11 | 0 | 21 | lumpectomy |
| 1 | 0 | 0 | 0 | 15 | lumpectomy |
| 1 | 0 | 0 | 0 | 30 | mastectomy |
| 1 | 0 | 17 | 0 | 70 | mastectomy |
| 1 | 0 | 8 | 0 | 15 | mastectomy |
| 1 | 0 | 0 | 0 | 30 | lumpectomy |
| 1 | 0 | 16 | 0 | | mastectomy |
| 1 | 0 | 13 | 0 | 10 | mastectomy |
| 1 | 0 | 7 | 0 | 10 | mastectomy |
| 1 | 0 | | 0 | 10 | l |
| 1 | 0 | | 0 | 21 | l |
| 1 | 0 | | 0 | 18 | |
| 1 | 0 | | 0 | 10 | |
| 1 | 0 | | 0 | 38 | |
| 1 | 0 | | 0 | 18 | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 20 | |
| 1 | 0 | 16 | 0 | | m |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 8 | l |
| 1 | 0 | 14 | 0 | | |
| 1 | 0 | | 0 | 12 | l |
| 1 | 0 | | 0 | 27 | |
| 1 | 0 | 7 | 0 | | m |
| 1 | 0 | | 0 | 15 | l |
| 1 | 0 | | 0 | 10 | |
| 1 | 0 | | 0 | 15 | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 15 | l |
| 1 | 0 | | 0 | >20 | l |
| 1 | 0 | | 0 | 10 | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| resection border | array | Histotyp GS | sex | category |
|------------------|-------|-------------|-----|-----------------|
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca+dcis |
| f | BR50 | ductal | f | ca+meta |
| f | BR50 | ductal | f | ca+dcis |
| n | n | ductal | | ca+meta |
| n | n | ductal | f | ca+dcis |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca+dcis |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+dcis+meta+no |
| ? | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | ev | ductal | f | ca+meta |
| free | ev | ductal | f | dcis |
| ? | n | ductal | f | ca |
| free | y | ductal | f | ca |
| free | y | ductal | f | ca+dcis+meta |
| free | y | ductal | f | ca |
| free | y | ductal | f | ca |
| f | y | ductal | f | ca |
| free | | ductal | f | ca |
| free | | ductal | f | ca |
| | | ductal | | ca |
| f | | ductal | | ca |
| pos | | ductal | | ca |
| | | ductal | | ca |
| pos | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| pos | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| free | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| ? | | ductal | | ca |
| free | | ductal | | ca |
| pos | | ductal | | ca |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|----------------|--------|---------|---------|--------------------|
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 2 | 1 | |
| | 2 | 3 | 1 | solid, crib low |
| | 1 | 2 | 1 | |
| | 2 | 3 | 3 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 1 | |
| | 3 | 2 | 1 | |
| | 1 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 3 | |
| | 2 | 2 | 2 | |
| | 3 | 2 | 1 | |
| | 2 | 3 | 2 | |
| | 3 | 2 | 2 | |
| | 3 | 2 | 3 | |
| | 3 | 3 | 2 | sol/crib low grade |
| | 2 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 3 | 2 | 3 | |
| | 2 | 2 | 1 | |
| | 3 | | | |
| | 3 | | | |
| | 2 | | | |
| | 3 | | | |
| | 3 | | | |
| | 2 | | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| tumor slides | dcis slides | lcis slides |
|-------------------|-------------|-------------|
| 1; 2; 3 | | |
| 1; 2; 3 | | |
| 1; 2 | 3; 4 | |
| 1; 2; 3; 4 | | |
| 1 | | |
| 1 | | |
| 1 to 5 | | |
| 1; 2; 3; 4 | | |
| 1; 2; 3 | | |
| 1 | | |
| 1; 2 | 2 | |
| 1; 2 | | |
| 1; 2; 3; 4 | | |
| 1 to 7 | | |
| 1; 2 | | |
| 1; 5; 6; 8; 9; 11 | 2-9; 12 | |
| 1; 2; 3; 4 | | |
| 1 to 7 | | |
| 1; 2; 3 | | |
| 1; 2 | 1; 2; 3 | |
| 1 | | |
| 1; 2; 3 | | |
| 1; 2; 3; 4 | 3; 4 | |
| 1; 2 | | |
| 1; 2; 3; 4; 5 | | |
| 2 | | |
| 1 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| mastopathia slides | normal slides 2; 3 | meta slides |
|--------------------|---------------------------|-------------|
| | | b89.6424 |
| | 2 3 | |
| | 8 | b89.8818 |
| | 10 | b91.3181 |
| | 1; 2; 3: lactating breast | |
| | | 3; 4; 5; 6 |
| | | 5; 6 |
| | 6 | |

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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| distant meta | normal skin | normal mamilla | normal nodes | normal muscle |
|--------------|-------------|----------------|--------------|---------------|
|--------------|-------------|----------------|--------------|---------------|

7; 8

1

1

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|--------------------------|----------------------|---------------|--------------------------|-------------|
| A5l | 36 | 41 | M | Heart | Heart | Trauma | Ok | Autopsy, 5h |
| A5m | 37 | 37 | M | Heart | Heart | Trauma | Ok | Autopsy, 4h |
| A5n | 37 | 37 | M | Heart | Heart | Trauma | Ok | Autopsy, 4h |
| A5o | 37 | 37 | M | Heart | Heart | Trauma | Ok | Autopsy, 4h |
| A5r | 37 | 37 | M | Heart | Heart | Trauma | Ok | Autopsy, 4h |
| A6a | 38 | 25 | M | Skeletal muscle | Tonsillitis chronica | Normal | Ok | Biopsy |
| A6b | 39 | 27 | M | Skeletal muscle | Seminoma | Normal | Ok | Biopsy |
| A6c | 40 | 22 | M | Skeletal muscle | Chronic tonsillitis | Normal | Ok | Biopsy |
| A6d | 41 | 43 | M | Skeletal muscle | Hernia | Normal | Ok | Biopsy |
| A6e | 42 | 67 | M | Skeletal muscle | Eyid resection | Normal | Ok | Biopsy |
| A6f | 42 | 67 | M | Skeletal muscle | Eyid resection | Normal | Ok | Biopsy |
| A6g | 44 | 31 | F | Skeletal muscle | Thyroid cancer | Normal | Bleeding, no muscle | Biopsy |
| A6h | 45 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6i | 46 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6j | 46 | | | Skeletal muscle | Breast cancer | Normal | Ok | Biopsy |
| A6k | 47 | 75 | F | Smooth muscle, intestine | Gastric ulcer | Normal | Ok | Biopsy |
| A6l | 48 | 68 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6m | 49 | 91 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6n | 49 | 91 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6o | 50 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A6p | 50 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A7a | 51 | 76 | M | Smooth muscle, intestine | Gastric cancer | Normal | Ok | Biopsy |
| A7b | 51 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7c | 52 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7d | 52 | 47 | F | Smooth muscle, intestine | Reflux esophagitis | Normal | Ok | Biopsy |
| A7e | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Lipomatous tissue | Biopsy |
| A7f | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Intestinal metaplasia | Biopsy |
| A7g | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Ok | Biopsy |
| A7h | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Chronic inflammation | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|-----------------|--|---------------|--------------------------|----------|
| A7i | 53 | 75 | F | Stomach, antrum | Gastric ulcer | Normal | Chronic inflammation | Biopsy |
| A7j | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Chronic inflammation | Biopsy |
| A7k | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Chronic inflammation | Biopsy |
| A7l | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Ok | Biopsy |
| A7m | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Ok | Biopsy |
| A7n | 54 | 68 | M | Stomach, antrum | Gastric cancer | Normal | Ok | Biopsy |
| A7o | 56 | 68 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A7p | 56 | 68 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A8a | 57 | 76 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A8b | 57 | 76 | M | Stomach, corpus | Gastric cancer | Normal | Ok | Biopsy |
| A8c | 58 | 47 | F | Stomach, corpus | Reflux esophagitis | Normal | Ok | Biopsy |
| A8d | 58 | 47 | F | Stomach, corpus | Reflux esophagitis | Normal | Ok | Biopsy |
| A8e | 59 | 76 | F | Stomach, corpus | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8f | 59 | 76 | F | Stomach, corpus | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8g | 60 | 90 | F | Stomach, corpus | Duodenal ulcer | Normal | No epithelial cells | Biopsy |
| A8h | 60 | 90 | F | Stomach, corpus | Duodenal ulcer | Normal | Ok | Biopsy |
| A8i | 55 | 75 | F | Duodenum | Gastric cancer | Normal | Ok | Biopsy |
| A8j | 55 | 75 | F | Duodenum | Gastric cancer | Normal | Ok | Biopsy |
| A8k | 61 | 81 | F | Duodenum | Colon cancer | Normal | Ok | Biopsy |
| A8l | 61 | 81 | F | Duodenum | Colon cancer | Normal | Ok | Biopsy |
| A8m | 62 | 76 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8n | 62 | 76 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8o | 62 | 76 | F | Duodenum | Gastric cancer, chronic active gastritis | Normal | Ok | Biopsy |
| A8p | 63 | 90 | F | Duodenum | Duodenal ulcer | Normal | No epithelial cells | Biopsy |
| A9a | 63 | 90 | F | Duodenum | Duodenal ulcer | Normal | Ok | Biopsy |
| A9b | 63 | 90 | F | Duodenum | Duodenal ulcer | Normal | Ok | Biopsy |
| A9c | 64 | 66 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9d | 65 | 79 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9e | 66 | 72 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9f | 67 | 57 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9g | 68 | 72 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9h | 68 | 72 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9i | 69 | 85 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9j | 69 | 85 | M | Ileum | Colon cancer | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|--------------|------------------------------------|---------------|---------------------------------|----------|
| A9k | 70 | 82 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9l | 70 | 82 | F | Ileum | Colon cancer | Normal | Ok | Biopsy |
| A9m | 71 | 79 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9n | 71 | 79 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9o | 72 | 85 | F | Colon | Colon cancer | Normal | Ok | Biopsy |
| A9p | 72 | 85 | F | Colon | Colon cancer | Normal | No epithelial cells | Biopsy |
| B1a | 73 | 72 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1b | 73 | 72 | M | Colon | Colon adenoma | Normal | Ok | Biopsy |
| B1c | 74 | 57 | M | Colon | Colon adenoma | Normal | Ok | Biopsy |
| B1d | 74 | 57 | M | Colon | Colon cancer | Normal | Sample missing on first section | Biopsy |
| B1e | 75 | 85 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1f | 75 | 85 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1g | 76 | 72 | M | Colon | Colon cancer | Normal | Ok | Biopsy |
| B1h | 77 | 57 | M | Appendix | Colon adenoma | Normal | Ok | Biopsy |
| B1i | 77 | 57 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1j | 78 | 25 | F | Appendix | Colon cancer | Normal | Only smooth muscle | Biopsy |
| B1k | 79 | 85 | M | Appendix | Idiopathic megacolon | Normal | Connective tissue | Biopsy |
| B1l | 79 | 85 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1m | 80 | 32 | F | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B1n | 80 | 32 | F | Appendix | Uterus endometriosis | Normal | Ok | Biopsy |
| B1o | 81 | 88 | M | Appendix | Uterus endometriosis | Normal | Debris | Biopsy |
| B1p | 81 | 88 | M | Appendix | Colon cancer | Normal | Ok | Biopsy |
| B2a | 82 | 78 | M | Gall bladder | Colon cancer | Normal | Ok | Biopsy |
| B2b | 82 | 78 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2c | 83 | 16 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2d | 83 | 16 | M | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2e | 84 | 56 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2f | 84 | 56 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2g | 85 | 54 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2h | 85 | 54 | F | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2i | 86 | | | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2j | 86 | | | Gall bladder | Normal | Normal | Ok | Biopsy |
| B2k | 87 | 74 | F | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2l | 87 | 74 | F | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2m | 88 | 85 | M | Liver | Mild non-specific portal triaditis | Normal | Ok | Biopsy |
| B2n | 88 | 85 | M | Liver | Colon cancer, metastatic | Normal | Ok | Biopsy |
| B2o | 89 | 71 | M | Liver | Colon cancer, metastatic | Normal | Ok | Biopsy |
| B2p | 89 | 71 | M | Liver | Cholecystitis | Normal | Ok | Biopsy |
| B3a | 89 | 71 | M | Liver | Cholecystitis | Normal | Inflammation | Biopsy |
| | | | | | Cholecystitis | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|----------------------|--|---------------|---------------------------------|---------------|
| B3b | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3c | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3d | 90 | 26 | F | Liver | Hodgkin disease | Normal | Ok | Biopsy |
| B3e | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3f | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3g | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3h | 93 | | | Pancreas | Pancreas | Normal | Ok | Autopsy, <12h |
| B3i | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3j | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3k | 91 | 32 | F | Pancreas | Depression, trauma | Normal | Ok | Autopsy, 3h |
| B3l | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3m | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3n | 92 | 41 | M | Pancreas | Trauma | Normal | Ok | Autopsy, 5h |
| B3o | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Biopsy |
| B3p | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Biopsy |
| B4a | 94 | 31 | M | Submandibular gland | Sialadenitis other area (behind stone) | Normal | Ok | Biopsy |
| B4b | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Biopsy |
| B4c | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Biopsy |
| B4d | 95 | 62 | F | Submandibular gland | Mucoepidermoid carcinoma | Normal | Ok | Biopsy |
| B4e | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4f | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4g | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4h | 96 | 31 | F | Submandibular gland | Thyroid cancer | Normal | Ok | Biopsy |
| B4i | 100 | 44 | F | Ovary, stroma | Abnormal bleedings | Normal | Ok | Biopsy |
| B4j | 98 | | F | Ovary, stroma | CIS cervix | Normal | Fallopian tube | Biopsy |
| B4k | 99 | 45 | F | Ovary, stroma | Menometrorrhagia | Normal | Ok | Biopsy |
| B4l | 100 | 44 | F | Ovary, stroma | Abnormal bleedings | Normal | Ok | Biopsy |
| B4m | 101 | 45 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B4n | 102 | 47 | F | Ovary, stroma | CIS cervix | Normal | Ok | Biopsy |
| B4o | 102 | 47 | F | Ovary, stroma | Hysterectomy | Normal | Sample missing on first section | Biopsy |
| B4p | 102 | 47 | F | Ovary, stroma | Hysterectomy | Normal | Ok | Biopsy |
| B5a | 103 | 47 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B5b | 103 | 47 | F | Ovary, stroma | Myoma uterus | Normal | Ok | Biopsy |
| B5c | 100 | 44 | F | Ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5d | 105 | 32 | F | Ovary, corpus luteum | Endometriosis uterus | Normal | Ok | Biopsy |
| B5e | 106 | 45 | F | Ovary, corpus luteum | Menometrorrhagia | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|----------------------|--|---------------|---------------------------|----------|
| B5f | 106 | 45 | F | Ovary, corpus luteum | Menometrorrhagia | Normal | Ok | Biopsy |
| B5g | 107 | 44 | F | Ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5h | 107 | 44 | F | Ovary, corpus luteum | Abnormal bleedings | Normal | Ok | Biopsy |
| B5i | 108 | 45 | F | Ovary, corpus luteum | Myoma uterus | Normal | Ok | Biopsy |
| B5j | 108 | 45 | F | Ovary, corpus luteum | Myoma uterus | Normal | Ok | Biopsy |
| B5k | 109 | 47 | F | Ovary, corpus luteum | Hysterectomy | Normal | Ok | Biopsy |
| B5l | 109 | 47 | F | Ovary, corpus luteum | Hysterectomy | Normal | Ok | Biopsy |
| B5m | 110 | 25 | F | Fallopian tube | Hysterectomy | Normal | Ok | Biopsy |
| B5n | 110 | 25 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5o | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B5r | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6a | 112 | | F | Fallopian tube | CIS cervix | Normal | Ok | Biopsy |
| B6b | 111 | 30 | F | Fallopian tube | | Normal | Ok | Biopsy |
| B6c | 113 | 45 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6d | 113 | 45 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6e | 114 | 47 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6f | 114 | 47 | F | Fallopian tube | Myoma uterus | Normal | Ok | Biopsy |
| B6g | 115 | 42 | F | Myometrium | Dysfunctional bleeding, myoma, adenomyosis | Normal | Some endometrium included | Biopsy |
| B6h | 116 | 28 | F | Myometrium | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B6i | 119 | 30 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6j | 118 | 42 | F | Myometrium | Ovarian cyst (endometriosis) | Normal | Endometrium | Biopsy |
| B6k | 119 | 30 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6l | 120 | 45 | F | Myometrium | Pelvic pain | Normal | Ok | Biopsy |
| B6m | 121 | 49 | F | Myometrium | Menometrorrhagia | Normal | Ok | Biopsy |
| B6n | 121 | 49 | F | Myometrium | Endometrium cancer | Normal | Ok | Biopsy |
| B6o | 122 | | F | Myometrium | Endometrium cancer | Normal | Ok | Biopsy |
| B6p | 122 | | F | Myometrium | CIS cervix | Normal | Ok | Biopsy |
| B7a | 123 | 31 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7b | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7c | 124 | 39 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7d | 123 | 31 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7e | 125 | 32 | F | Endo sekr | Prolaps | Normal | Ok | Biopsy |
| B7f | 125 | 32 | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7g | 126 | | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7h | 126 | | F | Endo sekr | CIS cervix | Normal | Ok | Biopsy |
| B7i | 127 | 47 | F | Endo sekr | Hysterectomy | Normal | Ok | Biopsy |
| B7j | 127 | 47 | F | Endo sekr | Hysterectomy | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|---------------|---------------------------------------|---------------|--------------------------|----------|
| B7k | 128 | 28 | F | Endo prol | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7l | 128 | 28 | F | Endo prol | Ruptured ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7m | 129 | 40 | F | Endo prol | Menorrhagia | Normal | Ok | Biopsy |
| B7n | 129 | 40 | F | Endo prol | Menorrhagia | Normal | Few epithelial cells | Biopsy |
| B7o | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B7p | 130 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8a | 131 | 41 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8b | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8c | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8d | 131 | 42 | F | Endo prol | Ovarian cyst (endometriosis) | Normal | Few epithelial cells | Biopsy |
| B8e | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8f | 133 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8g | 134 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8h | 135 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B8i | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8j | 136 | 45 | F | Endocervix | Menometrorrhagia | Normal | Ok | Biopsy |
| B8k | 137 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B8l | 137 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B8m | 138 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B8n | 138 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B8o | 139 | 41 | F | Endocervix | Ovarian cyst (endometriosis) | Normal | Ok | Biopsy |
| B8p | 140 | 32 | F | Endocervix | Endometriosis | Normal | Ok | Biopsy |
| B9a | 141 | | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B9b | 142 | 49 | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B9c | 143 | 49 | F | Endocervix | CIS cervix | Normal | Ok | Biopsy |
| B9d | 143 | 49 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B9e | 144 | 47 | F | Endocervix | Endometrium cancer | Normal | Ok | Biopsy |
| B9f | 144 | 47 | F | Endocervix | Hysterectomy | Normal | Stroma only | Biopsy |
| B9g | 145 | 47 | F | Endocervix | Hysterectomy | Normal | Ok | Biopsy |
| B9h | 145 | 47 | F | Endocervix | Myoma uterus | Normal | Ok | Biopsy |
| B9i | 146 | 74 | M | Kidney cortex | Myoma uterus | Normal | Ok | Biopsy |
| B9j | 146 | 74 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9k | 147 | 78 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| B9l | 147 | 78 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| B9m | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9n | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |
| B9o | 148 | 88 | M | Kidney cortex | Clear cell RCC | Normal | Ok | Biopsy |

| Localisation | Identical Biopsy | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|------------------|-----|-----|-----------------|------------------------------|---------------|--------------------------|----------|
| B9p | 148 | 88 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| C1a | 149 | 87 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| C1b | 149 | 87 | M | Kidney cortex | Cancer pyelon | Normal | Ok | Biopsy |
| C1c | 150 | 74 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1d | 150 | 74 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1e | 151 | 78 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C1f | 151 | 78 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C1g | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1h | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1i | 152 | 88 | M | Kidney papilla | Clear cell RCC | Normal | Ok | Biopsy |
| C1j | 153 | 87 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C2a | 153 | 87 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C2b | 153 | 87 | M | Kidney papilla | Cancer pyelon | Normal | Ok | Biopsy |
| C2c | 154 | | M | Prostate | Cancer pyelon | Normal | Ok | Biopsy |
| C2d | 154 | | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2e | 155 | 66 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2f | 155 | 66 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2g | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2h | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2i | 156 | 70 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C2j | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3a | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3b | 157 | 74 | M | Prostate | Benign prostatic hyperplasia | Normal | Ok | Biopsy |
| C3c | 158 | 60 | M | Seminal vesicle | Prostate cancer | Normal | Ok | Biopsy |
| C3d | 158 | 60 | M | Seminal vesicle | Prostate cancer | Normal | Ok | Biopsy |
| PAGE MISSING | | | | | | | | |
| C6b | 167 | 73 | M | Testis | Prostate cancer | Normal | Ok | Biopsy |
| C6c | 168 | 87 | M | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C6d | 169 | 87 | M | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C6e | 168 | 87 | M | Kidney pelvis | Cancer pyelon | Normal | Ok | Biopsy |
| C6f | 169 | 87 | M | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C6g | 168 | 87 | M | Kidney pelvis | Cancer pyelon | Normal | Ok | Biopsy |
| C6h | 170 | 85 | F | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C6i | 170 | 85 | F | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C6j | 170 | 85 | F | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C7a | 170 | 85 | F | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C7b | 170 | 85 | F | Kidney pelvis | Cancer pyelon | Normal | No epithelial cells | Biopsy |
| C7c | 171 | 63 | F | bronchus | Lung cancer | Normal | Inflammation | Biopsy |

| Localisation | Identical | Age | Sex | Organ | Underlying Disease | Histologic DX | Tissue Represented, Lot1 | Material |
|--------------|-----------|-----|-----|--------------------------|--------------------|------------------|--------------------------|---------------|
| C7d | Biopsy | 63 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7e | 171 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7f | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7g | 172 | 74 | M | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7h | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7i | 173 | 51 | F | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C7j | 174 | | | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C8a | 174 | | | Bronchus | Lung cancer | Normal | Ok | Biopsy |
| C8b | 174 | | | Bronchus | Lung cancer | Normal | No epithelial cells | Biopsy |
| C8c | 175 | 74 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8d | 176 | 62 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8e | 177 | 68 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8f | 178 | 69 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8g | 179 | 51 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8h | 180 | 50 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8i | 180 | 50 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C8j | 180 | 50 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C9a | 181 | 56 | M | Lung | Lung cancer | Normal | Ok | Biopsy |
| C9b | 178 | 69 | F | Lung | Lung cancer | Normal | Ok | Biopsy |
| C9c | 182 | 41 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9d | 182 | 41 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9e | 182 | 41 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 5h |
| C9f | 183 | 33 | F | Cerebellum | Trauma | Normal | Ok | Autopsy, <10h |
| C9g | 183 | 33 | F | Cerebellum | Trauma | Normal | Ok | Autopsy, <10h |
| C9h | 183 | 33 | F | Cerebellum | Trauma | Normal | Ok | Autopsy, <10h |
| C9i | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| C9j | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| D1a | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| D1b | 184 | 37 | M | Cerebellum | Trauma | Normal | Ok | Autopsy, 4h |
| D1c | 185 | 32 | F | Cerebrum, grey substance | Depression, trauma | Normal | Ok | Autopsy, 3h |
| D1d | 185 | 32 | F | Cerebrum, grey substance | Depression, trauma | Normal | Ok | Autopsy, 3h |
| D1e | 186 | 41 | M | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, 5h |
| D1f | 186 | 41 | M | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, 5h |
| D1g | 187 | 33 | F | Cerebrum, grey substance | Trauma | Normal | Ok | Autopsy, <10h |

Figure 1 *Flowchart of the study design*

Figure 1 *Flowchart of the study design*

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

use b89.7117 for PR50

primary tumor also in b91.3181

slides + blocks not found
slides + blocks not found
SEARCH FOR PREVIOUS BIOPSY!
DD papillary
cancer only seen on frozen section

paget

residual tumor
small tumor

residual tumor

residual tumor
dob 21.4.23
sent previously

not macroscop measurable
sent previously

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|------------|
| 1 | 0 | 23 | 0 | 15 | mastectomy |
| 1 | 0 | 17 | 0 | 40 | lumpectomy |
| 1 | 0 | 8 | 0 | 8 | mastectomy |
| 1 | 0 | | 0 | 85 | m |
| 1 | 0 | | 0 | 29 | I |
| 1 | 0 | | 0 | 6 | I |
| 1 | 0 | | 0 | 9 | I |
| 1 | 0 | 20 | 0 | 45 | mastectomy |
| 1 | 0 | 14 | 0 | 30 | mastectomy |
| 1 | 0 | 0 | 0 | 40 | mastectomy |
| 1 | 0 | 19 | 0 | 35 | mastectomy |
| 1 | 0 | 20 | 0 | 25 | mastectomy |
| 1 | 0 | 20 | 0 | 10 | mastectomy |
| 1 | 0 | 18 | 0 | 23 | mastectomy |
| 1 | 0 | 3 | 0 | 55 | mastectomy |
| 1 | 0 | 10 | 0 | 20 | mastectomy |
| 1 | 0 | 19 | 0 | 15 | mastectomy |
| 1 | 0 | 0 | 0 | 30 | lumpectomy |
| 1 | 0 | 0 | 0 | 40 | mastectomy |
| 1 | 0 | 21 | 0 | 15 | lumpectomy |
| 1 | 0 | 17 | 0 | 60 | mastectomy |
| 1 | 0 | 11 | 0 | 21 | lumpectomy |
| 1 | 0 | 0 | 0 | 15 | lumpectomy |
| 1 | 0 | 0 | 0 | 30 | mastectomy |
| 1 | 0 | 17 | 0 | 70 | mastectomy |
| 1 | 0 | 8 | 0 | 15 | mastectomy |
| 1 | 0 | 0 | 0 | 30 | lumpectomy |
| 1 | 0 | 16 | 0 | | mastectomy |
| 1 | 0 | 13 | 0 | 10 | mastectomy |
| 1 | 0 | 7 | 0 | 10 | mastectomy |
| 1 | 0 | | 0 | 10 | I |
| 1 | 0 | | 0 | 21 | I |
| 1 | 0 | | 0 | 18 | |
| 1 | 0 | | 0 | 10 | |
| 1 | 0 | | 0 | 38 | |
| 1 | 0 | | 0 | 18 | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 20 | |
| 1 | 0 | 16 | 0 | | m |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 8 | I |
| 1 | 0 | 14 | 0 | | |
| 1 | 0 | | 0 | 12 | I |
| 1 | 0 | | 0 | 27 | |
| 1 | 0 | 7 | 0 | | m |
| 1 | 0 | | 0 | 15 | I |
| 1 | 0 | | 0 | 10 | |
| 1 | 0 | | 0 | 15 | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 15 | I |
| 1 | 0 | | 0 | >20 | I |
| 1 | 0 | | 0 | 10 | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| resection border | array | Histotyp GS | sex | category |
|------------------|-------|-------------|-----|-----------------|
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca+dcis |
| f | BR50 | ductal | f | ca+meta |
| f | BR50 | ductal | f | ca+dcis |
| n | n | ductal | | ca+meta |
| n | n | ductal | f | ca+dcis |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca+dcis |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+meta |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca+dcis+meta+no |
| ? | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | ev | ductal | f | ca+meta |
| free | ev | ductal | f | dcis |
| ? | n | ductal | f | ca |
| free | y | ductal | f | ca |
| free | y | ductal | f | ca+dcis+meta |
| free | y | ductal | f | ca |
| free | y | ductal | f | ca |
| f | y | ductal | f | ca |
| free | | ductal | f | ca |
| free | | ductal | f | ca |
| f | | ductal | | ca |
| pos | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| pos | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| pos | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| free | | ductal | | ca |
| | | ductal | | ca |
| ? | | ductal | | ca |
| free | | ductal | | ca |
| pos | | ductal | | ca |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|----------------|--------|---------|---------|--------------------|
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 2 | 1 | solid, crib low |
| | 2 | 3 | 1 | |
| | 1 | 2 | 1 | |
| | | | | |
| | 2 | 3 | 3 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 1 | |
| | 3 | 2 | 1 | |
| | 1 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 3 | |
| | 2 | 2 | 2 | |
| | 3 | 2 | 1 | |
| | 2 | 3 | 2 | |
| | | | | |
| | 3 | 2 | 2 | |
| | 3 | 2 | 3 | |
| | 3 | 3 | 2 | sol/crib low grade |
| | 2 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 3 | 2 | 3 | |
| | 2 | 2 | 1 | |
| | 3 | | | |
| | 3 | | | |
| | 2 | | | |
| | 3 | | | |
| | 3 | | | |
| | 2 | | | |

[illegible]146

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| mastopathia slides | normal slides 2; 3 | meta slides |
|--------------------|---------------------------|-------------|
| | | b89.6424 |
| | 2 3 | |
| | 8 | b89.8818 |
| | 10 | b91.3181 |
| | 1; 2; 3: lactating breast | |
| | | 3; 4; 5; 6 |
| | | 5; 6 |
| | 6 | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta normal skin normal mamilla normal nodes normal muscle

7; 8

1

1

09966373.002004

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

1; 2; 3: lactating breast

2; 3; 4; 5 scar formation, fat necrosis

096673: 092604

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 1 DCIS | slide 1 normal | slide 2 cancer |
|--------------|--------------------|----------------|
| 0 | 0 | 0.8 |
| 0 | 0 | 1.2 |
| 0 | 0 | 0.4 |
| 0 | 0,8: normal muscle | |
| 0 | 0 | |
| | | |
| 0 | 0 | 1 |
| 0 | 0 | 0.5 |
| 0 | 0 | 1 |
| 0 | 0 | 0 |
| 0 | 0 | 0.5 |
| 0 | 0 | 0.2 |
| 0 | 0 | 2 |
| 0 | 0 | 1.5 |
| 0 | 0 | 0.2 |
| 0 | 0 | 0 |
| 0 | 0.5 | 1.3 |
| 0 | 0 | 1 |
| 0 | 0 | 0.7 |
| 0 | 0 | 0.4 |
| 0.4 | 0 | 0 |
| 0 | 0 | |
| 0 | 0 | 0.3 |
| 0 | 0 | 1.2 |
| 0 | 0 | 0.1 |
| 0 | 0 | 1.5 |
| | | 0.8 |
| 0 | 0 | |

00066373_002001

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 3 normal | slide 4 cancer | slide 4 DCIS | slide 4 normal |
|----------------|----------------|--------------|----------------|
| 0.5 | | | |
| 0 | | | |
| 0 | 0 | 0.8 | 0 |
| | | | |
| 0 | .7 | 0 | 0 |
| 0 | 0.6 | 0 | 0 |
| 0 | | | |
| 0.3 | | | |
| 0 | 1.3 | 0 | 0 |
| 0 | 1.2 | 0 | 0 |
| | | | |
| 0 | 0 | 0.6 | 0 |
| 0.2 | 1 | 0 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | | | |
| 0 | 0.5 | 0 | 0 |
| 0 | | | |
| 0 | | | |
| 0 | 0.5 | 0.6 | 0 |
| 0 | | | |
| 0 | 1 | 0 | 0 |
| 4 skin | | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 5 cancer | slide 5 DCIS | slide 5 normal | slide 6 cancer | slide 6 DCIS |
|----------------|--------------|----------------|----------------|--------------|
|----------------|--------------|----------------|----------------|--------------|

| | | | | |
|-----|-----|---|-----|-----|
| 0.3 | 0 | 0 | | |
| 0.7 | 0 | 0 | 0.8 | 0 |
| 0.2 | 0.5 | 0 | 0.4 | 0.4 |
| 0.6 | 0 | 0 | 0.6 | 0 |
| 0.3 | 0 | 0 | 0.1 | 0 |
| 0.9 | 0 | 0 | 0.6 | 0 |
| 0.8 | 0 | 0 | 0 | 0 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| HER-2/Neu | ER |
|-----------|-----|
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Pos |
| Neg | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Neg | Neg |
| Neg | Pos |
| Neg | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Pos | Neg |
| Pos | Pos |
| Pos | Pos |
| Neg | Pos |
| Neg | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Neg | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|------------|-----------------|--------|-------------------|
| 54 | 79 | 07/31/1996 | | | 60 |
| 55 | 55 | 07/31/1996 | | | 60 |
| 56 | 53 | 07/31/1996 | | | 60 |
| 57 | 82 | 07/31/1996 | | | 60 |
| 58 | 62 | | | | 60 |
| 59 | 63 | | | | 60 |
| 60 | 66 | | | | 60 |
| 61 | 67 | | | | 60 |
| 62 | 72 | | | | 60 |
| 63 | 79 | | | | 60 |
| 64 | 75 | | | | 60 |
| 65 | 68 | | | | 60 |
| 66 | 59 | | | | 60 |
| 67 | 56 | | | | 60 |
| 68 | 49 | | | | 60 |
| 69 | 63 | | | | 60 |
| 70 | 66 | | | | 60 |
| 71 | 79 | | h91.167 | add | 60 |
| 72 | 55 | | h91.273 | no add | 60 |
| 73 | 53 | | | | 60 |
| 74 | 82 | | | | 60 |
| 75 | 62 | | | | 60 |
| 76 | 63 | | h91.939 | add | 60 |
| 77 | 66 | | | | 60 |
| 78 | 67 | | h92.1084 | add | 60 |
| 79 | 72 | | h92.1084 | | 60 |
| 80 | 79 | | h92.1146 | | 60 |
| 81 | 75 | | | | 60 |
| 82 | 68 | | | | 60 |
| 83 | 59 | | | | 60 |
| 84 | 79 | | | | 60 |
| 85 | 75 | | | | 60 |
| 86 | 68 | | | | 60 |
| 87 | 59 | | | | 60 |
| 88 | 56 | | | | 60 |
| 89 | 49 | | | | 60 |
| 90 | 63 | | | | 60 |
| 91 | 66 | | | | 60 |
| 92 | 79 | | h87.1408? | | 60 |
| 93 | 55 | | h87.1408? | | 60 |
| 94 | 53 | | | | 60 |
| 95 | 82 | | | | 60 |
| 96 | 62 | | | | 60 |
| 97 | 63 | | | | 60 |
| 98 | 66 | | | | 60 |
| 99 | 67 | | | | 60 |
| 100 | 72 | | h92.636 | | 60 |
| 101 | 79 | | | | 60 |
| 102 | 75 | | | | 60 |
| 103 | 68 | | | | 60 |
| 104 | 59 | | | | 60 |
| 105 | 56 | | | | 60 |
| 106 | 49 | | | | 60 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks
dob 29.1.19

second tumor: mucoid 10mm diameter, BRE grade 1 (slides 4 and 5)

has also colon cancer!!

small carcinoma

multicentric
extranodal extension in lymph node marked in black

difficult type, DD lobular cancer solid variant check
small dcis on 1
dcis very small

small focus of cribriform dcis too small to be used

scirrous
DD lob difficult, clarify, dcis too small to punch

SEARCH FOR PREVIOUS BIOPSY! AND NODAL META OF H92.479

lobular?
meta

DD: histiocytic, lipid rich, apocrine

residual cancer. Same pat as h87.1408? meta only small

large
large

1 was frozen, 2 small
small intraductal components intermingled with cancer
SEARCH FOR PREVIOUS BIOPSY!

large dcis, smaller cancer, problem: there is also sclerosing adenosis, ca difficult to prove at many places
little mat

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|------------------|
| 1 | 0 | | 0 | fragmented | |
| 1 | 0 | | 0 | 20 | I |
| 1 | 0 | | 0 | 22 | I |
| 1 | 0 | | 0 | 30 | I |
| 1 | 0 | 1 | 0 | 20 | mastectomy |
| 1 | 0 | 0 | 0 | x | lumpectomy |
| 1 | 0 | 0 | 0 | 30 | lumpectomy |
| 1 | 0 | 0 | 0 | 15 | I |
| 1 | 0 | 0 | 0 | x | lumpectomy |
| 1 | 0 | 0 | 0 | 20 | lumpectomy |
| 1 | 0 | 14 | 0 | x | mastectomy |
| 1 | 0 | | 0 | 6 rt, 7 l | lump, both sides |
| 1 | 0 | | 0 | 10 | lumpectomy |
| 1 | 0 | 0 | 0 | 25 | lumpectomy |
| 1 | 0 | 7 | 0 | x | mastectomy |
| 1 | 0 | 12 | 0 | 27 | lumpectomy |
| 1 | 0 | | 0 | x | lumpectomy |
| 1 | 0 | 13 | 0 | 20 | lumpectomy |
| 1 | 0 | 14 | 0 | 45 | lumpectomy |
| 1 | 0 | | 0 | 22 | lumpectomy |
| 1 | 0 | | 0 | 18 | lumpectomy |
| 1 | 0 | | 0 | 31 | lumpectomy |
| 1 | 0 | 9 | 0 | 15 | lumpectomy |
| 1 | 0 | | 0 | 30 | lumpectomy |
| 1 | 0 | | 0 | 30 | lumpectomy |
| 1 | 0 | | 0 | 30 | m |
| 1 | 0 | 24 | 0 | x | mastectomy |
| 1 | 0 | 0 | 0 | 15 | lumpectomy |
| 1 | 0 | 14 | 0 | 23 residual | mastectomy |
| 1 | 0 | 2 | 0 | 30 | mastectomy |
| 1 | 0 | | 0 | 22 | lumpectomy |
| 1 | 0 | 30 | 0 | x | mastectomy |
| 1 | 0 | | 0 | 16 | I |
| 1 | 0 | 0 | 0 | 10 | lumpectomy |
| 1 | 0 | 0 | 0 | 14 | I |
| 1 | 0 | many | 0 | 28 | m |
| 1 | 0 | | 0 | 18 | I |
| 1 | 0 | | 0 | 31 | I |
| 1 | 0 | | 0 | 23 | I |
| 1 | 0 | 10 | 0 | >30 | m |
| 1 | 0 | 17 | 0 | 35 | m |
| 1 | 0 | | 0 | 22 | I |
| 1 | 0 | | 0 | 9 | I |
| 1 | 0 | | 0 | 9 | I |
| 1 | 0 | 13 | 0 | 40 | m |
| 1 | 0 | | 0 | 35 | I |
| 1 | 0 | 12 | 0 | 16 | I |
| 1 | 0 | 0 | 0 | 25 | lumpectomy |
| 1 | 0 | | 0 | 15 | I |
| 1 | 0 | 16 | 0 | 39 | lumpectomy |
| 1 | 0 | | 0 | 11 | lumpectomy |
| 1 | 0 | | 0 | x | lumpectomy |
| 1 | 0 | | 0 | 10 | lumpectomy |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| resection border | array | Histotyp GS | sex | category |
|------------------|-------|-------------|-----|----------|
| ? | | ductal | | ca |
| pos | | ductal | | ca |
| pos | | ductal | | ca |
| pos | | ductal | | ca |
| free | BR50 | ductal | f | 2xca |
| | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free both | BR50 | ductal | f | ca |
| | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| f | BR50 | ductal | f | ca |
| f | BR50 | ductal | f | ca |
| | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| not free | BR50 | ductal | f | ca |
| | BR50 | ductal | f | ca |
| n | n | ductal | f | ca |
| free | n | ductal | f | ca |
| f | y | ductal | f | ca |
| f | y | ductal | f | ca |
| n | y | ductal | f | ca |
| not free | y | ductal | f | ca |
| not free | y | ductal | f | ca |
| f | y | ductal | f | ca |
| f | y | ductal | f | ca |
| n | y | ductal | f | ca |
| n | y | ductal | f | ca |
| | y | ductal | f | ca |
| f | y | ductal | f | ca |
| n | y | ductal | f | ca |
| f | y | ductal | f | ca |
| not free | y | ductal | f | ca |
| | y | ductal | f | ca |
| free | | ductal | f | ca |
| | | ductal | f | ca |
| not free | | ductal | f | ca |
| free | | ductal | f | ca |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|------------------------|--------|---------|---------|---------------|
| second tumor: mucinous | 3 | 2 | 1 | |
| | 2 | 2 | 1 | |
| | 2 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 3 | |
| | 1 | 2 | 1 | |
| | 3 | 2 | 2 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 2 | 3 | 1 | |
| | 3 | 3 | 3 | |
| | 3 | 2 | 3 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 3 | comedo high |
| | 3 | 3 | 3 | |
| cribriform | 2 | 2 | 1 | |
| | 3 | 3 | 1 | |
| lobular | 2 | 2 | 1 | |
| | 2 | 2 | 1 | |
| lobular | 3 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 2 | |
| | 5 | 2 | 2 | |
| | 3 | 3 | 2 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 2 | 3 | 3 | |
| | 2 | 2 | 1 | |
| | 1 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 2 | 2 | 2 | |
| | 2 | 3 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 3 | 2 | |
| | 2 | 3 | 2 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 3 | |
| | 3 | 2 | 2 | crib, pap low |
| dcis | 2 | 3 | 2 | comedo high |
| mucinous 40% | 3 | 2 | 1 | |
| | 3 | 3 | 2 | |
| | 2 | 2 | 2 | |
| | 3 | 2 | 1 | solid low |
| | 3 | 2 | 1 | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| tumor slides | dcis slides | lcis slides |
|--------------|-------------|-------------|
|--------------|-------------|-------------|

| | | |
|----------------|--|--|
| 1; 2; 3 / 4; 5 | | |
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| 1; 2 | | |
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| 1 | | |
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| 1 | | |
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| 1 | | |
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| 1; 2 | | |
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| 1 | | |
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| 3 | | |
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| | | |
|---------|--|--|
| 1; 3 fs | | |
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| | | |
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| 1; 2; 3; 4 | | |
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| | | |
|------|--|--|
| 1; 2 | | |
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| 1 | | |
|---|--|--|

| | | |
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| 1; 2; 3; 4 | | |
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| | | |
|---------------|---|--|
| 1; 2; 3; 4; 5 | 1 | |
|---------------|---|--|

| | | |
|------------|---|--|
| 1; 2; 3; 4 | 3 | |
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| | | |
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| 1; 2; 3; 4 | | |
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| 1; 2; 3 | | |
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| 1; 2; 3; 4; 5 | | |
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| 1; 2 | | |
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| 1; ? | | |
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| 1; 2; 3; 4 | | |
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| 1; 2; 3 | | |
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| 1; 2 | | |
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| 1; 2 | | |
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| 1 | 1 | |
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| 1; 2; 3 | | |
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| 1; 2 | | |
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| 2; 3; 4; 5 | | |
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| 1; 2 | | |
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| 1 fs | | |
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| 1; 2 | | |
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| 1 | | |
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| 1; 2; 3 | | |
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| 1; 2 | | |
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| 1; 2 | | |
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| 1; 2 | | |
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| 1; 2; 3 | | |
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| 1; 2; 4 | | |
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| 1 | | |
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| 1; 2; 3 | | |
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| 1; 2; 3 | | |
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| | | |
|------|--|--|
| 1 fs | | |
|------|--|--|

| | | |
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| 1; 2 | 2; 1 | |
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| 1 | | |
|---|--|--|

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| 1; 2 | | |
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| 1; 2; 3; 4 | | |
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| | | |
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| 1; 2; 3 fs | | |
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| 1 | | |
|---|--|--|

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides

normal slides

meta slides

1

4

h91.315

3

h87.1623

3: scleros adenosis, prol mastopath w. atypia

4; 5; 6; 7

0096633.002601

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

1: fat necrosis

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| cut slides | slide 1 cancer |
|------------|--------------------|
| 1 | 1.2 |
| 1; 2; 5 | 0.8 |
| 1 | 0.7 |
| 1 | 0.7 |
| 1 | 1.2 |
| 1 | 0.6 |
| 1; 3 | 0.5 |
| 1 | 0.5 |
| 1; 2; 3; 4 | 1.5 |
| 1; 4 | 1 |
| 1 | 0.6 |
| 1 | 2 |
| 1 | 0.9 |
| 1; 3 | 1.5 |
| 1 | 2 |
| 1 | 0.5 |
| 1 | 0.9 |
| 1 | 1.2 |
| 1 | 1.2 |
| 1 | 1.5 |
| 1 | 0.5 |
| 1 | 0.9 |
| | 0.8 |
| 1 | 1.3 |
| 1 | 1.5 |
| 1 | 2 |
| 2 | 0.9 |
| | 0.5 |
| 1 | 0.8 |
| | 3 |
| | 3 |
| | 1.5 |
| | 3 |
| | 1 |
| | 3 |
| | 1 |
| | 0.9 |
| | 0.9 |
| | 2.5 |
| | 3 |
| 1; 2; 3 | 0.6 |
| 1 | 0.8 |
| | 1 |
| 1; 3; 4 | 0.4 |
| 1 | 0.4 |
| 1; 2 | do IHC scleros ad? |
| 1 | 0.4 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 1 DCIS | slide 1 normal | slide 2 cancer |
|--------------|----------------|----------------|
| 0 | 0 | 1.5 |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 1 | 0 | |
| 0 | 0 | |
| 0.3 | 0.2 | |
| ,3 not pure | 0 | |
| 0 | 0 | |
| 0 | 0 | 0.3 |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | 0.5 |
| 0.2 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0.1 | 0 | |
| | | 0.4 |
| | | 1.5 |
| | | 2 |
| | | 1 |
| | | 1 |
| | | 1 |
| | | 0.5 |
| | | 0.9 |
| | 3 no skin | |
| | | 2 |
| | | 2.5 |
| 0.5 | 0 | 0.2 |
| 1 | 0 | |
| 0 | 0 | |
| | | 0.15 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 2 DCIS | slide 2 normal | slide 3 cancer | slide 3 DCIS |
|--------------|----------------|----------------|--------------|
|--------------|----------------|----------------|--------------|

| | | | |
|---|---|-----|---|
| 0 | 0 | 1.2 | 0 |
|---|---|-----|---|

| | | | |
|--|--|-----|---|
| | | 0.8 | 0 |
|--|--|-----|---|

| | | | |
|--|--|-----|-----|
| | | 0.4 | 0.3 |
|--|--|-----|-----|

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| | | 0 | |
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| 0 | 0 | | |
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| | | 1 | |
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| | | | |
|--|-----------|--|--|
| | 2 no skin | | |
|--|-----------|--|--|

| | | | |
|--|--|-----|--|
| | | 0.5 | |
|--|--|-----|--|

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| | | 0.5 | |
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| | 2 skin | | |
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| | | 1 | |
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| | | 0.9 | |
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| | | 1 | |
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|-----|--|--|--|
| 0.8 | | | |
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| | | | |
|--|--|-----|--|
| | | 0.4 | |
|--|--|-----|--|

| | | | |
|--|--|--|-----|
| | | | 0.7 |
|--|--|--|-----|

| | | | |
|-----|--|--|--|
| 0.7 | | | |
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| | | | |
|--|--|-----|--|
| | | 0.3 | |
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| | | | 0 |
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| | | | |
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| 0.5 | | | |
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| | | | |
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| | 0 | | |
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 3 normal | slide 4 cancer | slide 4 DCIS | slide 4 normal |
|----------------|----------------|--------------|----------------|
|----------------|----------------|--------------|----------------|

| | | | |
|---|-----|---|---|
| 0 | 1.4 | 0 | 0 |
|---|-----|---|---|

| | | | |
|---|--|--|--|
| 0 | | | |
|---|--|--|--|

| | | | |
|--|-----|------------------------------|---|
| | 0.6 | 0 | 0 |
| | 0.4 | ,3 (extranodal tumor spread) | |

| | | | |
|---|--|--|--|
| 0 | | | |
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| | | | |
|--|-----|--|--|
| | 0.8 | | |
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| | | | |
|--|-----|--|--|
| | 0.3 | | |
|--|-----|--|--|

| | | | |
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| | 2 | | |
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| | | | |
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| 0 | | | |
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| 0 | | | |
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 5 cancer | slide 5 DCIS | slide 5 normal | slide 6 cancer | slide 6 DCIS |
|----------------|--------------|----------------|----------------|--------------|
|----------------|--------------|----------------|----------------|--------------|

| | | | | |
|-----|---|---|--|--|
| 1.2 | 0 | 0 | | |
|-----|---|---|--|--|

| | | | | |
|---|--|--|--|--|
| 2 | | | | |
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|-----|--|--|--|--|
| 1.5 | | | | |
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| | 1.5 | | | |
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2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2

2nd mito gs

1

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|------------|-----------------|---------|-------------------|
| 107 | 63 | | | | 60 |
| 108 | 79 | | h91.307 | add | 60 |
| 109 | 55 | | h91.167 | | 60 |
| 110 | 41 | | h91.307 | add | 60 |
| 111 | 49 | | h91.307 | | 60 |
| 112 | 53 | | h91.273 | | 60 |
| 113 | 61 | | h91.273 | | 60 |
| 114 | 66 | | | | 60 |
| 115 | 68 | | | | 60 |
| 116 | 59 | 07/31/1996 | | | 60 |
| 117 | 56 | | | | 60 |
| 118 | 49 | 07/31/1996 | | | 60 |
| 119 | 63 | | | | 60 |
| 120 | 79 | | | | 60 |
| 121 | 75 | | | | 60 |
| 122 | 68 | | | | 60 |
| 123 | 59 | | | | 60 |
| 124 | 79 | | | | 60 |
| 125 | 75 | | | | 60 |
| 126 | 68 | 07/31/1996 | | | 60 |
| 127 | 59 | | | | 60 |
| 128 | 56 | | | | 60 |
| 129 | 49 | | | | 60 |
| 130 | 63 | | h92.960 | not add | 60 |
| 131 | 79 | | | | 60 |
| 132 | 75 | | | | 60 |
| 133 | 68 | | | | 60 |
| 134 | 59 | | | | 60 |
| 135 | 79 | | | | 60 |
| 136 | 75 | | | 1 | 60 |
| 137 | 68 | | | | 60 |
| 138 | 59 | | | | 60 |
| 139 | 68 | | h92.1146 | add | 60 |
| 140 | 59 | | | | 60 |
| 141 | 56 | | | 1 | 60 |
| 142 | 49 | | | 1 | 60 |
| 143 | 63 | | | 1 | 60 |
| 144 | 63 | | | 1 | 60 |
| 145 | 66 | | | | 60 |
| 146 | 67 | | | | 60 |
| 147 | 72 | | | | 60 |
| 148 | 79 | | | | 60 |
| 149 | 75 | | | 1 | 60 |
| 150 | 68 | | | 1 | 60 |
| 151 | 77 | | | 1 | 60 |
| 152 | 76 | | | 1 | 60 |
| 153 | 63 | 07/31/1996 | | | 60 |
| 154 | 62 | | | 1 | 60 |
| 155 | 63 | | | 1 | 60 |
| 156 | 66 | | | 1 | 60 |
| 157 | 67 | | | 1 | 60 |
| 158 | 72 | | | 1 | 60 |
| 159 | 79 | | | 1 | 60 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Histo initial

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

ductal and large dcis

lobular
medullary

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

ductal cancer

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

LCIS w. microinv

ductal
ductal
ductal
ductal
ductal

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

2: frozen but foto cribriform
2 blocks w.o. sections
Cancer here too small

SEARCH FOR PREVIOUS BIOPSY!

SEARCH FOR PREVIOUS BIOPSY!, dcis small but feasible

SEARCH FOR PREVIOUS BIOPSY!, dcis too small for punching, lymphangiosis carcinomatosa
only one section, was used for frozen

SEARCH FOR PREVIOUS BIOPSY! Only very small cancer in this biopsy, already punched to death
dob 2.1.08

dob 19.8.35
ductal?

primary tumor missing

difficult first path says mixed
difficult

useful

a bit atrophic breast tissue

epithelium rich suited for array

residual tumor
shipped incomplete,

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|--------------|
| 1 | 0 | | 0 | 10 | lumpectomy |
| 1 | 0 | 17 | 0 | 30 | lumpectomy |
| 1 | 0 | 13 | 0 | | mastectomy |
| 1 | 0 | 17 | 0 | 30 | lumpectomy |
| 1 | 0 | 17 | 0 | 30 | mastectomy |
| 1 | 0 | | 0 | | lumpectomy |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | | 0 | 11 | lumpectomy |
| 1 | 0 | 21 | 0 | x | mastectomy |
| 1 | 0 | | 0 | 19 | I |
| 1 | 0 | 16 | 0 | 30 | lumpectomy |
| 1 | 0 | | 0 | 28 | |
| 1 | 0 | | 0 | 19 | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 20 | I |
| 1 | 0 | 9 | 0 | 45 | mastectomy |
| 1 | 0 | 11 | 0 | 70 | mastectomy |
| 1 | 0 | 0 | 0 | x | lumpectomy |
| 1 | 0 | 10 | 0 | 50 | mastectomy |
| 1 | 0 | | 0 | 21 | |
| 1 | 0 | | 0 | 25 | lumpectomy |
| 1 | 0 | ? | 0 | ? | m |
| 1 | 0 | | 0 | 20 | lumpectomy |
| 1 | 0 | 21 | 0 | 25 | lumpectomy |
| 1 | 0 | | 0 | 12 | I |
| 1 | 0 | 13 | 0 | 10 | I |
| 1 | 0 | | 0 | >35 | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 23 | I |
| 1 | 0 | 14 | 0 | >25 | mastectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | 24 | 0 | | I |
| 1 | 0 | | 0 | | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | -0 | | 0 | | |
| 1 | 0 | | 0 | | fibroadenoma |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 32 | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 11 | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | I |
| 1 | 0 | | 0 | | I |
| 1 | 0 | | 0 | | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|----------------|--------|---------|---------|----------------|
| cribriform | 1 | 2 | 1 | cribriform low |
| | 3 | 2 | 1 | |
| mucinous | 3 | 2 | 1 | comedo high |
| | 2 | 2 | 2 | |
| | 3 | 3 | | |
| | 3 | 3 | 3 | |
| | 1 | 2 | 1 | |
| | 2 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 3 | |
| lobular | 2 | 1 | 1 | |
| | 3 | 3 | 1 | |
| | 3 | 3 | 2 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| ductal | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| ductal | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 3 | 3 | 1 | comedo high |
| | 3 | 3 | 2 | |
| d | 1 | 2 | 1 | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| tumor slides | dcis slides | lcis slides |
|-------------------------|-------------|-------------|
| 1; 2 fs | 1 | |
| ? | | |
| 1; 2; 3; 5 | | |
| 1 | | |
| 1; 2; 3 | 1 | |
| 2; 3 | | |
| 1 fs | | |
| 1 | | |
| 1; 2 | | |
| 1 | | |
| 1; 2; 3 | | |
| 1; 2; 3 | | |
| 1; 2; b91.7829 (1-4) | | |
| 1; 2; and b91.6507 V-XI | | |
| 1; 2; 3 | | |
| 1 | | |
| 1; 2; 3; 4 | | |
| 1; 2 | | |
| 1; 2 | | 1; 2 |
| 1; 2; 3 | | 1 small |
| 1 | | |
| 1 | | |
| 1; 2; 3 | | |
| 1 | 1; 2 | |
| 1; 2 | | |
| 1; 2; 3 | | |
| 1; 2; 3 | | |
| 1 | | |
| 2 | | |
| 1 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| mastopathia slides | normal slides | meta slides |
|--------------------|------------------------|---|
| | | h91.427 6 4; 6 |
| | | 3; 4; 5; 6 |
| | | b91.7829 b91.6507 2; 3 3 h92.1092 |
| | 2 | |
| | 1; 2; 3 1 | 2; 3; 4; 5; 6 |
| | 1 | |
| | 1; 2 1; 2 1 to 5 | |
| 1 to 5 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta normal skin normal mamilla normal nodes normal muscle

1 1

4 1

2 33

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

1; 2; 3; 4; 5 scar formation, fat necrosis

4; 5 scar formation, fat necrosis

1: fibroadenoma

1: lactating breast

1; 2: ductectasia (0,5 each)

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| cut slides | slide 1 cancer |
|------------------|--|
| 1 | 0.4 |
| 2; 3 | 0 |
| 6 | |
| 1; 2; 3; 4 | 0.3 |
| 1 | 0.3 |
| 1; 2 | wait until first bx arrives,. Not too useful |
| 2 | 0.3 |
| 1 | 0.2 |
| all | 1 |
| 1 | 1.5 |
| 1 | 1.3 |
| | 2 |
| | 0.6 |
| 1 | 1.2 |
| | 0.4 |
| | 0.5 |
| 1 | 0.7 |
| 1; 2; 3 | 2.5 |
| 1 | 1.5 |
| 1 | 2 |
| | 2 |
| | 1 |
| | 1.5 |
| | |
| | 0.9 |
| | |
| | 1 |
| | 0.5 |
| | |
| | 3 |
| | 2 |
| 1 | 2.5 |
| 1; 2; 3; 4; 5; 6 | 1.5 |
| | 3: fibroadenoma |
| 1 | 0.7 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 1 DCIS | slide 1 normal | slide 2 cancer |
|--------------|----------------|--|
| 0.3 | 0 | 0.4 |
| 0 | 0 | 0.3 |
| 0 | 0 | wait until first bx arrives,. Not too useful |
| 0 | 0 | 0.5 |
| 0 | 0 | 2 |
| 0 | 0 | 0.5 |
| 0 | 0 | 1 |
| 0 | 0 | 0.4 |
| 0 | 0 | 2 |
| 0 | 0 | 0.7 |
| 0 | 0 | 0.8 |
| 0 | 0 | |
| | | 1.5 |
| 0.8 | | 0 |
| | | 0.8 |
| 0 | 0 | |
| | 0.8 | 2 |
| | 0.8 | 0.6 |
| | | |
| | 1.5 | |
| | 0.4 | |
| | 0.8 | |
| | 1.2 | |
| | 0.8 | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 2 DCIS | slide 2 normal | slide 3 cancer | slide 3 DCIS |
|--------------|----------------|----------------|--------------|
| 0 | 0 | 0.3 | 0 |
| 0 | 0 | 0.2 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 0 | 1.3 | |
| 0 | 0 | | |
| 0 | 0 | 0.3 | 0 |
| 0 | 0 | 3 | 0 |
| | | 0.7 | |
| | | .8 | |
| | | 1.5 | |
| 0.8 | 0.3 | | |
| | 0.5 | 1 | |
| | 1 | | |
| | 0.5 | | |
| | 1 | | |
| | 0.8 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 3 normal | slide 4 cancer | slide 4 DCIS | slide 4 normal |
|----------------|----------------|--------------|----------------|
| 0 | | | |
| 0 | 1.5 | 0 | 0 |
| | | | |
| 0 | 0.7 | 0 | 0 |
| | | | |
| 0 | | | |
| 0 | | | |
| | 0.5 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 0.7 | | | |
| | | | |
| 0.5 | | | 0.3 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 0.7 | | | 0.6 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 5 cancer | slide 5 DCIS | slide 5 normal | slide 6 cancer | slide 6 DCIS |
|----------------|--------------|----------------|----------------|--------------|
|----------------|--------------|----------------|----------------|--------------|

| | | | | |
|-----|--|--|----------|---|
| 0.3 | | | 2 0.5 | 0 |
|-----|--|--|----------|---|

| | | | | |
|-----|---|---|-----|---|
| 0.5 | 0 | 0 | 0.2 | 0 |
|-----|---|---|-----|---|

0.6

0.6

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| 2nd DCIS type | 2nd Tub GS | 2nd Poly GS | 2nd mito gs |
|---------------|------------|-------------|-------------|
|---------------|------------|-------------|-------------|

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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| HER-2/Neu | ER |
|-----------|-----|
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Neg | Pos |
| Neg | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Pos | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Pos |
| Neg | Pos |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|------------|-----------------|-----|-------------------|
| 160 | 75 | | | 1 | 60 |
| 161 | 68 | | | 1 | 60 |
| 162 | 75 | | | 1 | 60 |
| 163 | 68 | | | 1 | 60 |
| 164 | 59 | | | 1 | 60 |
| 165 | 56 | | | 1 | 60 |
| 166 | 49 | | | 1 | 60 |
| 167 | 63 | | | 1 | 60 |
| 168 | 79 | | | 1 | 60 |
| 169 | 75 | | | 1 | 60 |
| 170 | 68 | | h87.306 | | 60 |
| 171 | 59 | | | | 60 |
| 172 | 79 | | | | 60 |
| 173 | 75 | | | | 60 |
| 174 | 68 | 07/31/1996 | | | 60 |
| 175 | 59 | | | 1 | 60 |
| 176 | 75 | | | 1 | 60 |
| 177 | 68 | | | 1 | 60 |
| 178 | 59 | | | | 60 |
| 179 | 79 | | | 1 | 60 |
| 180 | 68 | | | 1 | 60 |
| 181 | 66 | | | 1 | 60 |
| 182 | 67 | | | | 60 |
| 183 | 72 | | | 1 | 60 |
| 184 | 79 | | | | 60 |
| 185 | 75 | 07/31/1996 | | | 60 |
| 186 | 68 | | | | 60 |
| 187 | 59 | | | | 60 |
| 188 | 56 | | | | 60 |
| 189 | 49 | | | | 60 |
| 190 | 63 | | | | 60 |
| 191 | 66 | | | | 60 |
| 192 | 79 | | | | 60 |
| 193 | 55 | 07/31/1996 | | | 60 |
| 194 | 53 | | | | 60 |
| 195 | 82 | | | 1 | 60 |
| 196 | 62 | | | | 60 |
| 197 | 63 | 07/31/1996 | | | 60 |
| 198 | 66 | 07/31/1996 | | | 60 |
| 199 | 68 | 07/31/1996 | | | 60 |
| 200 | 75 | 07/31/1996 | | | 60 |
| 201 | 68 | 07/31/1996 | | | 60 |
| 202 | 59 | 07/31/1996 | | | 60 |
| 203 | 56 | | | | 60 |
| 204 | 68 | | | | 60 |
| 205 | 59 | | | | 60 |
| 206 | 56 | | | | 60 |
| 207 | 49 | | | | 60 |
| 208 | 63 | | h91.273 | | 60 |
| 209 | 66 | | h92.636 | | 60 |
| 210 | 79 | 07/31/1996 | | | 60 |
| 211 | 63 | 07/31/1996 | | | 60 |
| 212 | 66 | | | 1 | 60 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

normal glands quite diluted, not every punch will hit

mild mastopathia

very large normal tissue areas, search for primary tumor
jejunal meta
lung meta of h89.411
difficult, clarify

slight fibrosis and mild sclerosing adenosis
normal glands quite diluted, not every punch will hit

extensive sclerosing adenosis, intraductal involvement difficult to see in sclerosing adenosis
differential diagnosis: papillary tumor

2: frozen but larger than 1
high grade, same as h88.146

dcis
dcis
DCIS
dcis
dcis
dcis
dcis
dcis
dcis

SEARCH FOR PREVIOUS BIOPSY! dcis too small to be used

SEARCH FOR PREVIOUS BIOPSY!,
microinvasion?
Small foci of microinvasion
dcis quite small

dob 16.8.25

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|------------|
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 20 | lumpectomy |
| 1 | 0 | | 0 | ? | I |
| 1 | 0 | 15 | 0 | | m |
| 1 | 0 | | 0 | | |
| 1 | 0 | 14 | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 35 | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | x | 0 | 65 | mastectomy |
| 1 | 0 | 5 | 0 | 15 | mastectomy |
| 1 | 0 | 0 | 0 | 8 | lumpectomy |
| 1 | 0 | 14 | 0 | 15 | mastectomy |
| 1 | 0 | 14 | 0 | 6 | mastectomy |
| 1 | 0 | | 0 | 9 | I |
| 1 | 0 | | 0 | 9 | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | 15 | 0 | x | lumpectomy |
| 1 | 0 | | 0 | | I |
| 1 | 0 | 20 | 0 | x | mastectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 0 | 0 | x | lumpectomy |
| 1 | 0 | 15 | 0 | 19 | lumpectomy |
| 1 | 0 | | 0 | x | x |
| 1 | 0 | 12 | 0 | 24 | lumpectomy |
| 1 | 0 | | 0 | 5 | lumpectomy |
| 1 | 0 | | 0 | | lumpectomy |
| 1 | 0 | 12 | 0 | | mastectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | 1 | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| resection border | array | Histotyp GS | sex | category |
|------------------|-------|-------------|-----|----------|
| | y | ductal | f | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | f | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | f | ca |
| | | ductal | f | ca |
| | | ductal | | ca |
| f | y | ductal | f | ca |
| | | ductal | f | ca |
| | | ductal | f | ca |
| | BR50 | ductal | f | ca |
| pos | | ductal | | ca |
| f | no | ductal | | ca |
| | | ductal | | ca |
| | | ductal | f | ca |
| | ev | ductal | f | ca |
| | y | ductal | f | ca |
| | | ductal | | ca |
| n | y | ductal | f | ca |
| | | ductal | | ca |
| | | ductal | f | ca |
| | | ductal | | ca |
| free | BR50 | ductal | f | ca |
| free | BR50 | ductal | f | ca |
| free | ev | ductal | f | ca |
| free | n | ductal | f | ca |
| free | n | ductal | f | ca |
| n | y | ductal | f | ca |
| | BR50 | ductal | f | ca |
| | | ductal | | ca |
| free | ev | ductal | f | ca |
| f | ev | ductal | | ca |
| free | | ductal | f | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | | ductal | f | ca |
| free | | ductal | f | ca |
| | | ductal | f | ca |
| free | | ductal | f | ca |
| not free | | ductal | f | ca |
| free | | ductal | f | ca |
| free | | ductal | f | ca |
| | | ductal | | ca |
| | | ductal | | ca |
| | n | ductal | | ca |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| tumor slides | dcis slides | lcis slides |
|--------------|-------------|-------------|
|--------------|-------------|-------------|

| | | |
|------------|--|--|
| 1; 2; 3; 4 | | |
|------------|--|--|

| | | |
|--------|--|--|
| 1 to 5 | | |
|--------|--|--|

| | | |
|------|--|--|
| 1; 2 | | |
|------|--|--|

| | | |
|--------|--|--|
| 1 to 6 | | |
|--------|--|--|

| | | |
|---------|--|--|
| 1; 2; 3 | | |
|---------|--|--|

| | | |
|---|--|--|
| 1 | | |
|---|--|--|

| | | |
|--|--------|--|
| | 1 to 4 | |
|--|--------|--|

| | | |
|--|---------|--|
| | 1; 2; 3 | |
|--|---------|--|

| | | |
|---|--|--|
| 1 | | |
|---|--|--|

| | | |
|---|--|--|
| 1 | | |
|---|--|--|

| | | |
|---------|--|--|
| 1; 2 fs | | |
|---------|--|--|

| | | |
|--|---------|--|
| | 1; 2; 3 | |
|--|---------|--|

| | | |
|--|------------|--|
| | 1; 2; 3; 4 | |
|--|------------|--|

| | | |
|--|---|--|
| | 1 | |
|--|---|--|

| | | |
|--|---|--|
| | 1 | |
|--|---|--|

| | | |
|--|---|--|
| | 1 | |
|--|---|--|

| | | |
|--|------|--|
| | 1; 2 | |
|--|------|--|

| | | |
|--|------|--|
| | 1; 2 | |
|--|------|--|

| | | |
|--|------|--|
| | 1; 3 | |
|--|------|--|

| | | |
|---|--|--|
| 2 | | |
|---|--|--|

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| mastopathia slides | normal slides 1; 2; 3 | meta slides |
|--------------------|--------------------------|-------------|
| | 1 to 6 | |
| 1; 2; 3 | | |
| 1 to 7 | 1 to 7 | |
| | 1 to 11 1 1; 2; 3 | |
| | b91.5863 | b91.5863 |

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Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta normal skin normal mamilla normal nodes normal muscle

1; 2; 3; 4; 5

1

2

1

2

2

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

6: no jejunum

1; 2; 3; 4: 5: massive sclerosing adenosis

2: fat necrosis

1 scar formation, fat necrosis

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| cut slides | slide 1 cancer |
|------------|----------------|
|------------|----------------|

| | |
|------|-----|
| 1; 6 | 2 |
| 1 | 2 |
| 1 | 0.9 |

0

1.5

| | |
|------|-----|
| 1; 2 | 1.5 |
|------|-----|

1.2

0.8

0.3

0

| | |
|---|-----|
| 1 | 0.3 |
|---|-----|

| | |
|---|-----|
| 1 | 0.5 |
|---|-----|

0

1; 2; 3; 4

1

1

1

| | |
|------|---|
| 1; 2 | 0 |
|------|---|

| | |
|---------|-----|
| 1; 2; 3 | 0.1 |
|---------|-----|

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 1 DCIS | slide 1 normal | slide 2 cancer |
|--------------|----------------|----------------|
| | 0.8 | |
| | 2 | |
| | 2.5 | |
| 0 | 0 | |
| 0 | 0 | |
| | | |
| 0 | 1 | 0 |
| | 1 | |
| | 3 | |
| | | 2 |
| 0.4 | 0 | 0.6 |
| 0 | 0 | 1.3 |
| 0 | 0 | 0.8 |
| 0 | 0 | 0 |
| 1 | 0 | 0 |
| 0.6 | 0 | 0 |
| 0 | 0 | |
| 0.7 | 0 | 0 |
| | | |
| 0.7 | | |
| 0.1 | | |
| 0.3 | | |
| 0.3 | | |
| 0.4 | 0 | 0 |
| 0.5 | 0 | 0 |
| 0.3 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 2 DCIS | slide 2 normal 0.8 | slide 3 cancer | slide 3 DCIS |
|--------------|-----------------------|----------------|--------------|
| | 2.5 | | |
| | 1.5 | | |
| 0 | 1.3 | 0 | 0 |
| | 2.5 | | |
| | | 1.5 | |
| 0 | | | |
| 0 | 0 | 1 | 0 |
| 0 | 0 | 0.3 | 0 |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0.7 |
| 0.9 | 0 | 0 | 0.4 |
| 0.4 | 0 | 0 | 0.5 |
| 0.5 | | | 0.4 |
| 0.2 | 0 | | |
| 0.7 | 0 | 1.3 | 0 |
| | | | 0.5 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 3 normal | slide 4 cancer | slide 4 DCIS | slide 4 normal |
|----------------|----------------|--------------|----------------|
| 0.8 | | | |
| 1.5 | | | 1 |
| 0.7 | | | 0.4 |
| 1 | 0 | 0 | 0.8 |
| 3 | 2 | | |
| 0 | 1.2 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | ? | 0 |
| 0 | | | |
| 0 | | | |
| | | 0.7 | |
| 0 | | | |

[illegible]

1.3

| | | | | |
|---|---|-----|-----|---|
| 0 | 0 | 0.8 | 0 | 0 |
| 1 | | | | |
| 1 | 0 | 0 | 0.4 | 0 |
| 0 | 0 | 0 | | |

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type

2nd Tub GS

2nd Poly GS

2nd mito gs

0000073-000007

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| HER-2/Neu | ER |
|-----------|-----|
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Pos | Neg |
| Pos | Neg |
| Neg | Pos |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Pos | Pos |
| Pos | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Pos |
| Neg | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Neg | Neg |
| Neg | Neg |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|------------|-----------------|-----|-------------------|
| 213 | 68 | | | 1 | 60 |
| 214 | 75 | | | 1 | 60 |
| 215 | 68 | 07/31/1996 | | | 60 |
| 216 | 56 | | | 1 | 60 |
| 217 | 68 | | | 1 | 60 |
| 218 | 59 | | | 1 | 60 |
| 219 | 56 | | | 1 | 60 |
| 220 | 49 | | | 1 | 60 |
| 221 | 63 | | | 1 | 60 |
| 222 | 66 | | | 1 | 60 |
| 223 | 79 | | | 1 | 60 |
| 224 | 55 | | | 1 | 60 |
| 225 | 53 | | | 1 | 60 |
| 226 | 61 | 07/31/1996 | | | 60 |
| 227 | 68 | 07/31/1996 | | | 60 |
| 228 | 59 | 07/31/1996 | | | 60 |
| 229 | 56 | 07/31/1996 | | | 60 |
| 230 | 68 | | | 1 | 60 |
| 231 | 59 | | | 1 | 60 |
| 232 | 56 | | | 1 | 60 |
| 233 | 68 | | | 1 | 60 |
| 234 | 75 | | | 1 | 60 |
| 235 | 68 | | | 1 | 60 |
| 236 | 59 | | | 1 | 60 |
| 237 | 56 | | | 1 | 60 |
| 238 | 68 | | | 1 | 60 |
| 239 | 59 | | | 1 | 60 |
| 240 | 56 | | | 1 | 60 |
| 241 | 49 | | | 1 | 60 |
| 242 | 63 | | | | 60 |
| 243 | 66 | | | | 60 |
| 244 | 79 | | | | 60 |
| 245 | 55 | | | | 60 |
| 246 | 53 | | | | 60 |
| 247 | 61 | | | | 60 |
| 248 | 68 | | | | 60 |
| 249 | 59 | | | | 60 |
| 250 | 56 | | h87.264 | | 60 |
| 251 | 68 | | | | 60 |
| 252 | 56 | | | | 60 |
| 253 | 49 | | | | 60 |
| 254 | 56 | | | | 60 |
| 255 | 49 | | | | 60 |
| 256 | 63 | | | | 60 |
| 257 | 66 | | h91.939 | | 60 |
| 258 | 79 | | | | 60 |
| 259 | 55 | | | | 60 |
| 260 | 53 | | | | 60 |
| 261 | 61 | | | | 60 |
| 262 | 68 | | | | 60 |
| 263 | 59 | | | | 60 |
| 264 | 56 | | | | 60 |
| 265 | 68 | | | | 60 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

only residual tumor
only few residual tumor; dob 13.9.17
micro res tumor
residual tumor

SEARCH FOR PREVIOUS BIOPSY!
SEARCH FOR PREVIOUS BIOPSY!

after h90.632
too small

very small dcis
cancer previously resected
SEARCH FOR PREVIOUS BIOPSY!, meta

very small dcis
SEARCH FOR PREVIOUS BIOPSY! small residual tumor

SEARCH FOR PREVIOUS BIOPSY!

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|------------|
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 11 | 0 | | mast |
| 1 | 0 | 13 | 0 | | m |
| 1 | 0 | 7 | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 22 | 0 | | mastectomy |
| 1 | 0 | | 0 | | I |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 13 | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 15 | 0 | x | mastectomy |
| 1 | 0 | 9 | 0 | | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 5 | 0 | x | mastectomy |
| 1 | 0 | ? | 0 | x | lumpectomy |
| 1 | 0 | 24 | 0 | x | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |

Figure 1

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|----------------|--------|---------|---------|-----------|
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 2 | | | | |
| 3 | | | | |

096677-096677

[illegible]

dcis slides

222

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta normal skin normal mamilla normal nodes normal muscle

3

3

4

1; 2; 3

1; 2; 3

2

[illegible]

2: scar formation, fat necrosis
1; 2; 3; 4; 5 scar formation, fat necrosis

1; 2: scar formation

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides

slide 1 cancer

1

0

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal

slide 4 cancer

slide 4 DCIS

slide 4 normal

0096675.002004

05630

05630

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|------------|-----------------|-----|-------------------|
| 266 | 78 | | | | 60 |
| 267 | 79 | | | | 60 |
| 268 | 55 | | | | 60 |
| 269 | 53 | | | | 60 |
| 270 | 82 | | | | 60 |
| 271 | 62 | | | | 60 |
| 272 | 63 | | | | 60 |
| 273 | 66 | | | 1 | 60 |
| 274 | 67 | | | 1 | 60 |
| 275 | 72 | | | 1 | 60 |
| 276 | 79 | | h92.960 | | 60 |
| 277 | 75 | 07/31/1996 | | | 60 |
| 278 | 68 | | | | 60 |
| 279 | 59 | | | | 60 |
| 280 | 56 | | | | 60 |
| 281 | 49 | | | | 60 |
| 282 | 63 | | h87.1535 | | 60 |
| 283 | 79 | | | | 60 |
| 284 | 55 | | b89.6893 | | 60 |
| 285 | 53 | | b89.8602 | | 60 |
| 286 | 82 | | b91.2889 | | 60 |
| 287 | 62 | | b91.5691 | | 60 |
| 288 | 66 | | b91.6053 | | 60 |
| 289 | 67 | | b91.5890 | | 60 |
| 290 | 63 | | h87.1180 | | 60 |
| 291 | 66 | | | | 60 |
| 292 | 67 | | | | 60 |
| 293 | 72 | | | | 60 |
| 294 | 79 | | | | 60 |
| 295 | 75 | | | | 60 |
| 296 | 68 | | | | 60 |
| 297 | 77 | | | | 60 |
| 298 | 76 | | | | 60 |
| 299 | 63 | | | | 60 |
| 300 | 62 | | | | 60 |
| 301 | 63 | | | | 60 |
| 302 | 66 | | | | 60 |
| 303 | 67 | | | | 60 |
| 304 | 72 | | | | 60 |
| 305 | 79 | | | | 60 |
| 306 | 75 | | | | 60 |
| 307 | 68 | | | | 60 |
| 308 | 75 | | | | 60 |
| 309 | 68 | | | | 60 |
| 310 | 59 | | | | 60 |
| 311 | 56 | | | | 60 |
| 312 | 49 | | | | 60 |
| 313 | 63 | | | | 60 |
| 314 | 79 | | | | 60 |
| 315 | 75 | | | | 60 |
| 316 | 68 | | | | 60 |
| 317 | 59 | | | | 60 |
| 318 | 79 | | | | 60 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks
SEARCH FOR PREVIOUS BIOPSY!

most likely non invasive DCIS

atypia ?

Many meta of lobular cancer
recurrence, get primary tumor: b86.3889, dob 23.10.23

2 foci, distance unclear (second cancer blocks 4-5)
also inflammation

residual cancer.

SEARCH FOR PREVIOUS BIOPSY!
SEARCH FOR PREVIOUS BIOPSY!

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| pT | pN | nodes all | nodes pos | diameter/mm | surgery |
|----|----|-----------|-----------|-------------|------------|
| 1 | 0 | 15 | 0 | x | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 0 | 0 | 25 | lumpectomy |
| 1 | 0 | | 0 | 7 | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | 21 | 0 | x | mastectomy |
| 1 | 0 | | 0 | 37 | I |
| 1 | 0 | 0 | 0 | 10 | mastectomy |
| 1 | 0 | | 0 | 23 | lumpectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | lumpectomy |
| 1 | 0 | | 0 | h87.1535 | m |
| 1 | 0 | 15 | 0 | 6 | mastectomy |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | many | 0 | | m |
| 1 | 0 | | 0 | | |
| 1 | 0 | 9 | 0 | | m |
| 1 | 0 | | 0 | | m |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | | 0 | | mastectomy |
| 1 | 0 | 19 | 0 | | mastectomy |
| 1 | 0 | 8 | 0 | | mastectomy |
| 1 | 0 | 20 | 0 | | mastectomy |
| 1 | 0 | 18 | 0 | | mastectomy |
| 1 | 0 | 7 | 0 | | mastectomy |
| 1 | 0 | 10 | 0 | | mastectomy |
| 1 | 0 | 8 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 21 | 0 | | mastectomy |
| 1 | 0 | 17 | 0 | | mastectomy |
| 1 | 0 | 4 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |
| 1 | 0 | 0 | 0 | | mastectomy |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|----------------|--------|---------|---------|-----------------|
| | 1 | 2 | 1 | solid, crib low |
| | 1 | 2 | 1 | |
| | 3 | 2 | 1 | |
| | 5 | | | |
| | 3 | | | |
| | 3 | | | |
| | 3 | | | |
| | 2 | | | |
| | 2 | 1 | | |
| | 1 | 1 | | |
| | 3 | 1 | | |
| | 2 | 2 | | |
| | 2 | 1 | | |
| | 3 | 2 | | |
| | 3 | 2 | | |
| | 2 | 2 | | |
| | 3 | 1 | | |
| | 3 | 1 | | |
| | 3 | 1 | | |
| | 3 | 3 | | |
| | 3 | 2 | | |
| | 2 | 2 | | |
| | 3 | 1 | | |
| | 3 | 2 | | |
| | 2 | 2 | | |
| | 3 | 1 | | |
| | 3 | 1 | | |
| | 1 | 1 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| tumor slides | dcis slides | lcis slides |
|--------------|-------------|-------------|
|--------------|-------------|-------------|

| | | |
|--|---------|--|
| | 1 to 13 | |
|--|---------|--|

| | | |
|------|--|--|
| 1; 2 | | |
| 1 | | |

| | | |
|---------|--|--|
| 1; 2 | | |
| 1; 2; 3 | | |
| 1 | | |

| | | |
|--|---------|--|
| | 3; 4; 5 | |
|--|---------|--|

| | | |
|---|--|--|
| 1 | | |
|---|--|--|

| | | |
|------|--|--|
| 1; 2 | | |
|------|--|--|

| | | |
|--|---|--|
| | 4 | |
|--|---|--|

| | | |
|---|--|--|
| 3 | | |
|---|--|--|

| | | |
|------------|--|--|
| 5 to 11 | | |
| 1; 2; 3; 4 | | |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| mastopathia slides | normal slides | meta slides |
|--------------------|---------------|---------------|
| | 14 | |
| | 1 | |
| | 1 | 2; 3; 4; 5; 6 |
| | | 2; 3 |
| | 3 | 1; 2 |
| | 3 to 6 | 1; 2 |
| | 2; 3 | 1 |
| | | 1 to 4 |
| | | 5 |
| | | 1; 2; 3 |
| | | 1; 2; 3; 4 |
| | | 1; 2 |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| | | | | |
|--------------|-------------|----------------|--------------|---------------|
| distant meta | normal skin | normal mamilla | normal nodes | normal muscle |
| | | | 1 | 2; 3 |

1

6956372.092801

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

2: scar formation

1: papilloma

1; 2: papilloma

1: papillomatosis (DM 0,7)

1; 3; 3: papilloma

4: difficult dcis, lobular cancerisation, and invasive component

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 1 DCIS | slide 1 normal | slide 2 cancer |
|--------------|----------------|----------------|
| 0 | 0 | 0.3 |
| | 1.5 | 0.3 |
| | 0.8 | |
| 0 | 0 | 0.4 |
| 0 | 0 | |
| | | 1 |
| 0 | 0 | 0.5 |
| 0 | 0 | 2 |
| 0 | 0 | 0.7 |
| 0 | 0 | 0 |
| 0 | 0 | 1.5 |
| 0 | 0 | 0.5 |
| | | 2 |
| | | 1 |

[illegible]

Abstract

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| slide 3 normal | slide 4 cancer | slide 4 DCIS | slide 4 normal |
|----------------|----------------|--------------|----------------|
| 0 | 0 | 1 | 0 |
| 3 | | | |
| 0.6 | 0 | 0 | 0.6 |
| 0.3 | | | |
| 0 | 0.4 | 0 | 0 |
| 0 | 0.5 | 0 | 0 |
| | 1.5 | | |

1002200-2709000

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer slide 5 DCIS slide 5 normal slide 6 cancer slide 6 DCIS

| | | | | |
|-----|---|-----|---|---|
| 0 | 1 | 0 | | |
| 0 | 0 | 0.6 | 0 | 0 |
| 1 | 0 | 0 | 1 | 0 |
| 0.3 | 0 | 0 | | |

09966373.092804

03673-01

03673-01

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| BR50 pos | BNr1 status | Chemotherapy | Radiation | Hormonal |
|----------|-------------|--------------|-----------|----------|
| 54 | ok | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | ok | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |

100220 022999000

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| HER-2/Neu | ER |
|-----------|-----|
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Pos | Neg |
| Pos | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Neg |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Neg |
| Pos | Neg |
| Pos | Pos |
| Pos | Pos |
| Neg | Pos |
| Neg | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Pos |
| Pos | Neg |
| Pos | Neg |
| Pos | Neg |
| Pos | Neg |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Neg |
| Pos | Neg |
| Pos | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |
| Neg | Pos |

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| Sample # | age | received | associated with | new | prognosis request |
|----------|-----|----------|-----------------|-----|-------------------|
| 319 | 75 | | | | 60 |
| 320 | 68 | | | | 60 |
| 321 | 59 | | | | 60 |
| 322 | 75 | | | | 60 |
| 323 | 68 | | | | 60 |
| 324 | 68 | | | | 60 |
| 325 | 59 | | | | 60 |
| 326 | 79 | | | | 60 |
| 327 | 75 | | | | 60 |
| 328 | 79 | | | | 60 |
| 329 | 75 | | | | 60 |
| 330 | 68 | | | | 60 |
| 331 | 59 | | | | 60 |
| 332 | 75 | | | | 60 |
| 333 | 68 | | | | 60 |
| 334 | 59 | | | | 60 |
| 335 | 79 | | | | 60 |
| 336 | 75 | | | | 60 |
| 337 | 68 | | | | 60 |
| 338 | 66 | | | | 60 |
| 339 | 67 | | | | 60 |
| 340 | 72 | | | | 60 |
| 341 | 76 | | | | 60 |
| 342 | 63 | | | | 60 |
| 343 | 62 | | | | 60 |
| 344 | 63 | | | | 60 |
| 345 | 66 | | | | 60 |
| 346 | 67 | | | | 60 |
| 347 | 72 | | | | 60 |
| 348 | 79 | | | | 60 |
| 349 | 75 | | | | 60 |
| 350 | 79 | | | | 60 |
| 351 | 75 | | | | 60 |
| 352 | 68 | | | | 60 |
| 353 | 75 | | | | 60 |
| 354 | 69 | | | | 60 |
| 355 | 77 | | | | 60 |
| 356 | 76 | | | | 60 |
| 357 | 63 | | | | 60 |
| 358 | 66 | | | | 60 |
| 359 | 67 | | | | 60 |
| 360 | 79 | | | | 60 |

Figure 1. The effect of the concentration of the monomer on the polymerization of *l*-lysine. The polymerization was carried out at 60°C for 24 h in the presence of 0.05 mol/L of the initiator. The concentration of the monomer was 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L. The polymerization was carried out in the presence of 0.05 mol/L of the initiator. The concentration of the monomer was 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L. The polymerization was carried out in the presence of 0.05 mol/L of the initiator. The concentration of the monomer was 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L.

Figure 1. The effect of the concentration of the monomer on the polymerization of *l*-lysine. The polymerization was carried out at 60°C for 24 h in the presence of 0.05 mol/L of the initiator. The concentration of the monomer was 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L. The polymerization was carried out in the presence of 0.05 mol/L of the initiator. The concentration of the monomer was 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L. The polymerization was carried out in the presence of 0.05 mol/L of the initiator. The concentration of the monomer was 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L.

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| secondary type | Tub GS | Poly GS | mito gs | DCIS type |
|----------------|--------|---------|---------|-----------|
| | | 2 | | |
| | | 3 | | |
| | | 3 | | |
| | | 2 | | |
| | | 3 | | |
| | | 3 | | |
| | | 3 | | |
| | | 3 | | |
| | | 3 | | |
| | | 2 | | |
| | | 3 | | |
| | | 3 | | |

20250323 092804

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| tumor slides | dcis slides | lcis slides |
|--------------|-------------|-------------|
|--------------|-------------|-------------|

00966373-002604

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides

normal slides

meta slides

0096073.000004

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| distant meta | normal skin | normal mamilla | normal nodes | normal muscle |
|--------------|-------------|----------------|--------------|---------------|
|--------------|-------------|----------------|--------------|---------------|

59955373,002801

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

00000000.000000

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides

slide 1 cancer

09966073.092804

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS

slide 2 normal

slide 3 cancer

slide 3 DCIS

0906073.002001

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer slide 5 DCIS slide 5 normal slide 6 cancer slide 6 DCIS

0996673:102604

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

| BR50 pos | BNr1 status | Chemotherapy | Radiation | Hormonal |
|----------|-------------|--------------|-----------|----------|
|----------|-------------|--------------|-----------|----------|

09966773-092604

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 1 | 3/4 | 4/3 | 3/3 | Neg | Neg | 66 |
| 2 | 4/4 | 2/3 | 4/3 | Neg | Neg | 55 |
| 3 | 3/3 | 3/3 | 3/4 | Neg | Neg | 75 |
| 4 | 3/4 | 3/4 | 4/4 | Neg | Neg | 77 |
| 5 | 4/3 | 4/3 | 3/3 | Neg | Pos | 81 |
| 6 | 4/3 | 4/4 | 3/4 | Neg | Pos | 33 |
| 7 | 3/3 | 4/3 | 4/4 | Pos | Pos | 75 |
| 8 | 4/3 | 4/3 | 4/3 | Pos | Pos | 77 |
| 9 | 3/4 | 3/3 | 4/3 | Pos | Neg | 76 |
| 10 | 4/4 | 4/3 | 3/3 | Pos | Neg | 51 |
| 11 | 3/3 | 2/3 | 2/3 | Neg | Neg | 45 |
| 12 | 3/4 | 3/4 | 2/3 | Neg | Pos | 65 |
| 13 | 4/3 | 2/3 | 3/3 | Neg | Pos | 69 |
| 14 | 4/3 | 2/4 | 4/3 | Pos | Pos | 61 |
| 15 | 3/3 | 2/3 | 2/3 | Pos | Neg | 68 |
| 16 | 4/3 | 4/4 | 3/3 | Pos | Neg | 78 |
| 17 | 2/3 | 3/3 | 3/4 | Pos | Neg | 79 |
| 18 | 3/3 | 3/4 | 2/3 | Pos | Pos | 55 |
| 19 | 3/4 | 4/3 | 3/3 | Pos | Pos | 53 |
| 20 | 2/3 | 3/3 | 3/4 | Neg | Pos | 82 |
| 21 | 3/3 | 4/3 | 4/4 | Neg | Pos | 62 |
| 22 | 3/4 | 2/3 | 3/4 | Pos | Pos | 63 |
| 23 | 4/3 | 3/3 | 3/4 | Pos | Pos | 66 |
| 24 | 4/4 | 3/3 | 4/3 | Pos | Neg | 67 |
| 25 | 4/3 | 1/1 | 4/3 | Pos | Neg | 72 |
| 26 | 4/3 | 1/2 | 3/3 | Pos | Pos | 79 |
| 27 | 3/3 | 2/1 | 4/3 | Pos | Pos | 75 |
| 28 | 4/3 | 2/1 | 3/4 | Pos | Pos | 68 |
| 29 | 2/3 | 2/3 | 4/4 | Pos | Pos | 77 |
| 30 | 3/3 | 3/3 | 3/3 | Pos | Pos | 76 |
| 31 | 3/4 | 3/4 | 3/4 | Pos | Pos | 51 |
| 32 | 2/3 | 2/3 | 4/3 | Neg | Pos | 45 |
| 33 | 3/3 | 3/3 | 3/3 | Neg | Neg | 69 |
| 34 | 3/4 | 3/4 | 3/4 | Neg | Neg | 61 |

Table 13
bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 35 | 4/4 | 4/4 | 4/4 | Neg | Neg | 68 |
| 36 | 3/3 | 3/3 | 3/3 | Neg | Neg | 78 |
| 37 | 3/4 | 3/4 | 3/4 | Neg | Neg | 79 |
| 38 | 4/3 | 4/3 | 4/3 | Pos | Pos | 55 |
| 39 | 4/3 | 4/3 | 4/3 | Pos | Pos | 53 |
| 40 | 3/3 | 3/3 | 3/3 | Pos | Pos | 82 |
| 41 | 4/3 | 4/3 | 4/3 | Pos | Pos | 62 |
| 42 | 3/4 | 3/4 | 3/4 | Neg | Neg | 63 |
| 43 | 4/4 | 4/4 | 4/4 | Neg | Neg | 66 |
| 44 | 3/3 | 3/3 | 3/3 | Neg | Neg | 67 |
| 45 | 3/4 | 3/4 | 3/4 | Neg | Neg | 72 |
| 46 | 4/3 | 4/3 | 4/3 | Neg | Neg | 79 |
| 47 | 2/3 | 2/3 | 2/3 | Pos | Pos | 75 |
| 48 | 3/3 | 3/3 | 3/3 | Pos | Pos | 68 |
| 49 | 3/4 | 3/4 | 3/4 | Pos | Pos | 59 |
| 50 | 4/3 | 4/3 | 4/3 | Neg | Neg | 56 |
| 51 | 4/4 | 4/4 | 4/4 | Neg | Neg | 49 |
| 52 | 4/3 | 4/3 | 4/3 | Neg | Neg | 63 |
| 53 | 2/4 | 2/4 | 2/4 | Neg | Neg | 79 |
| 54 | 2/3 | 2/3 | 2/3 | Neg | Neg | 55 |
| 55 | 1/1 | 1/1 | 1/1 | Neg | Neg | 53 |
| 56 | 1/1 | 1/1 | 1/1 | Neg | Neg | 82 |
| 57 | 1/2 | 1/2 | 1/2 | Neg | Neg | 62 |
| 58 | 2/3 | 2/3 | 2/3 | Neg | Neg | 63 |
| 59 | 3/3 | 3/3 | 3/3 | Neg | Neg | 66 |
| 60 | 3/4 | 3/4 | 3/4 | Neg | Neg | 67 |
| 61 | 2/3 | 2/3 | 2/3 | Neg | Neg | 72 |
| 62 | 3/3 | 3/3 | 3/3 | Neg | Neg | 79 |
| 63 | 2/3 | 2/3 | 2/3 | Neg | Neg | 75 |
| 64 | 2/4 | 2/4 | 2/4 | Neg | Neg | 68 |
| 65 | 3/4 | 3/4 | 3/4 | Neg | Neg | 59 |
| 66 | 4/3 | 4/3 | 4/3 | Neg | Neg | 56 |
| 67 | 4/3 | 4/3 | 4/4 | Neg | Neg | 49 |
| 68 | 3/3 | 3/3 | 4/3 | Neg | Neg | 63 |
| 69 | 4/3 | 4/3 | 3/4 | Neg | Neg | 79 |

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 70 | 2/3 | 3/3 | 4/4 | Neg | Neg | 55 |
| 71 | 3/3 | 4/3 | 3/3 | Neg | Neg | 53 |
| 72 | 3/4 | 3/4 | 3/4 | Neg | Neg | 82 |
| 73 | 2/3 | 4/4 | 4/3 | Neg | Neg | 62 |
| 74 | 3/3 | 3/3 | 3/4 | Neg | Neg | 63 |
| 75 | 3/4 | 3/4 | 3/4 | Neg | Neg | 66 |
| 76 | 4/3 | 4/4 | 4/3 | Neg | Neg | 67 |
| 77 | 4/3 | 4/3 | 4/3 | Neg | Neg | 72 |
| 78 | 3/4 | 4/3 | 3/4 | Neg | Neg | 79 |
| 79 | 4/4 | 3/3 | 4/4 | Pos | Pos | 75 |
| 80 | 3/3 | 3/4 | 3/3 | Neg | Neg | 68 |
| 81 | 3/4 | 2/3 | 3/4 | Neg | Neg | 59 |
| 82 | 4/3 | 3/3 | 4/3 | Neg | Neg | 79 |
| 83 | 2/3 | 3/4 | 2/3 | Neg | Neg | 75 |
| 84 | 3/3 | 4/3 | 3/3 | Neg | Neg | 68 |
| 85 | 3/3 | 4/3 | 3/4 | Pos | Pos | 59 |
| 86 | 3/4 | 3/4 | 4/3 | Pos | Pos | 56 |
| 87 | 4/3 | 4/4 | 4/4 | Neg | Neg | 49 |
| 88 | 2/3 | 3/3 | 4/3 | Neg | Neg | 63 |
| 89 | 3/3 | 2/3 | NA | Neg | Neg | 66 |
| 90 | 3/4 | 2/2 | 3/3 | Pos | Pos | 79 |
| 91 | 4/3 | 2/3 | 4/3 | Pos | Pos | 55 |
| 92 | 4/4 | 3/3 | 2/3 | Pos | Pos | 53 |
| 93 | 4/3 | 3/4 | 3/4 | Pos | Pos | 82 |
| 94 | 2/3 | 4/3 | 4/3 | Pos | Pos | 62 |
| 95 | 2/2 | 4/4 | 4/3 | Pos | Pos | 63 |
| 96 | 3/3 | 4/3 | 3/3 | Neg | Neg | 66 |
| 97 | 4/3 | 4/3 | NA | Neg | Neg | 67 |
| 98 | 3/4 | 4/3 | 3/4 | Pos | Pos | 72 |
| 99 | 4/4 | 3/3 | 4/4 | Pos | Pos | 79 |
| 100 | 3/3 | 4/3 | 2/3 | Pos | Pos | 75 |
| 101 | 3/4 | 3/4 | 2/2 | Pos | Pos | 68 |
| 102 | 4/4 | 4/4 | 3/4 | Pos | Pos | 58 |
| 103 | NA | 3/3 | 4/4 | Pos | Pos | 56 |
| 104 | 4/3 | 3/4 | 3/3 | Pos | Pos | 49 |

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 105 | 3/3 | 4/4 | 3/4 | Neg | Neg | 79 |
| 106 | 4/3 | 4/3 | 4/3 | Neg | Neg | 55 |
| 107 | 2/3 | 4/3 | 2/3 | Pos | Pos | 41 |
| 108 | 3/3 | 3/3 | 3/3 | Pos | Pos | 49 |
| 109 | 3/4 | 4/3 | 3/4 | Pos | Pos | 53 |
| 110 | 2/3 | 2/3 | 4/3 | Pos | Pos | 61 |
| 111 | 3/3 | 3/3 | 4/4 | Pos | Pos | 66 |
| 112 | 3/4 | 3/4 | 4/3 | Pos | Pos | 68 |
| 113 | 4/4 | 2/3 | 4/3 | Pos | Pos | 59 |
| 114 | 3/3 | 3/3 | 3/3 | Pos | Pos | 56 |
| 115 | 3/4 | 3/4 | 4/3 | Pos | Pos | 49 |
| 116 | 4/3 | 4/4 | 2/3 | Pos | Pos | 63 |
| 117 | 4/3 | 4/3 | 3/4 | Neg | Neg | 79 |
| 118 | 3/3 | 3/4 | 4/3 | Neg | Neg | 75 |
| 119 | 4/3 | 4/4 | 4/3 | Neg | Neg | 68 |
| 120 | 3/4 | 3/3 | 3/3 | Pos | Pos | 59 |
| 121 | 4/4 | 3/4 | 4/3 | Pos | Pos | 79 |
| 122 | 3/3 | 4/3 | 2/3 | Neg | Neg | 75 |
| 123 | 3/4 | 3/4 | 3/3 | Neg | Neg | 68 |
| 124 | 4/3 | 4/4 | 3/4 | Neg | Neg | 59 |
| 125 | 3/4 | 3/3 | 4/3 | Pos | Pos | 56 |
| 126 | 4/4 | 3/4 | 4/4 | Pos | Pos | 49 |
| 127 | 3/3 | 4/3 | 4/3 | Pos | Pos | 63 |
| 128 | 3/4 | 2/3 | 4/3 | Pos | Pos | 79 |
| 129 | 4/3 | 3/3 | 3/4 | Pos | Neg | 75 |
| 130 | 2/3 | 3/4 | 4/4 | Pos | Neg | 68 |
| 131 | 3/3 | 4/3 | 3/3 | Neg | Pos | 59 |
| 132 | 3/4 | 4/4 | 3/4 | Neg | Pos | 79 |
| 133 | 4/3 | 4/3 | 4/3 | Pos | Pos | 75 |
| 134 | 4/4 | 4/3 | 2/3 | Pos | Pos | 68 |
| 135 | 4/3 | 3/3 | 3/3 | Pos | Pos | 59 |
| 136 | 4/3 | 4/3 | 3/4 | Pos | Neg | 68 |
| 137 | 3/3 | 3/3 | 4/3 | Pos | Neg | 59 |
| 138 | 4/3 | 3/4 | 4/4 | Neg | Neg | 56 |
| 139 | 2/3 | 4/3 | 4/3 | Neg | Neg | 49 |

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 140 | 3/4 | 3/4 | 4/3 | Neg | Neg | 63 |
| 141 | 4/4 | 4/4 | 3/3 | Neg | Neg | 63 |
| 142 | 3/3 | 3/3 | 4/3 | Pos | Neg | 66 |
| 143 | 3/4 | 3/4 | 2/3 | Pos | Pos | 67 |
| 144 | 4/4 | 4/4 | 3/4 | Pos | Neg | 72 |
| 145 | 4/3 | 2/3 | 4/3 | Neg | Neg | 79 |
| 146 | 4/3 | 3/3 | 4/3 | Pos | Pos | 75 |
| 147 | 3/3 | 3/4 | 3/3 | Neg | Pos | 68 |
| 148 | 4/3 | 4/3 | 4/3 | Neg | Pos | 77 |
| 149 | 2/3 | 4/4 | 2/3 | Pos | Pos | 76 |
| 150 | 3/3 | 4/3 | 3/3 | Pos | Pos | 63 |
| 151 | 3/4 | 4/3 | 3/4 | Pos | Neg | 62 |
| 152 | 2/3 | 3/4 | 2/3 | Pos | Neg | 63 |
| 153 | 3/3 | 4/4 | 3/3 | Neg | Neg | 66 |
| 154 | 3/4 | 3/4 | 4/4 | Neg | Pos | 67 |
| 155 | 4/4 | 3/4 | 4/4 | Pos | Pos | 72 |
| 156 | 3/3 | 4/3 | 3/3 | Pos | Pos | 79 |
| 157 | 3/4 | 2/3 | 3/4 | Pos | Pos | 75 |
| 158 | 4/3 | 3/3 | 3/3 | Pos | Pos | 68 |
| 159 | 4/3 | 3/4 | 4/3 | Pos | Pos | 75 |
| 160 | 3/3 | 4/3 | 3/4 | Pos | Pos | 68 |
| 161 | 4/3 | 4/4 | 4/4 | Pos | Pos | 59 |
| 162 | 3/4 | 4/3 | 4/4 | Pos | Pos | 56 |
| 163 | 4/4 | 4/3 | 3/3 | Pos | Pos | 49 |
| 164 | 3/3 | 3/3 | 2/3 | Pos | Pos | 63 |
| 165 | 3/4 | 4/3 | 4/4 | Pos | Pos | 79 |
| 166 | 4/3 | 2/3 | 3/3 | Pos | Neg | 75 |
| 167 | 3/4 | 3/3 | 3/3 | Pos | Neg | 68 |
| 168 | 4/4 | 3/3 | 4/3 | Pos | Neg | 59 |
| 169 | 3/3 | 1/1 | 2/3 | Pos | Neg | 79 |
| 170 | 3/4 | 1/2 | 3/3 | Neg | Pos | 75 |
| 171 | 4/3 | 2/1 | 3/4 | Neg | Neg | 68 |
| 172 | 3/4 | 2/1 | 3/3 | Neg | Neg | 59 |
| 173 | 4/4 | 2/2 | 3/3 | Pos | Pos | 75 |
| 174 | 3/3 | 4/4 | 3/4 | Pos | Pos | 68 |

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 175 | 3/4 | 3/3 | 4/3 | Pos | Neg | 59 |
| 176 | 4/3 | 3/4 | 4/3 | Pos | Pos | 79 |
| 177 | 2/3 | 4/3 | 3/4 | Pos | Pos | 68 |
| 178 | 3/3 | 2/3 | 4/4 | Neg | Pos | 66 |
| 179 | 3/3 | 3/3 | 3/3 | Pos | Pos | 67 |
| 180 | 3/3 | 3/4 | 3/4 | Pos | Pos | 72 |
| 181 | 2/2 | 4/3 | 4/3 | Pos | Pos | 79 |
| 182 | 1/2 | 4/4 | 2/3 | Pos | Pos | 75 |
| 183 | 2/2 | 4/3 | 2/4 | Pos | Neg | 68 |
| 184 | 2/3 | 2/3 | 2/3 | Pos | Pos | 59 |
| 185 | 2/4 | 2/4 | 4/4 | Neg | Pos | 56 |
| 186 | 2/3 | 2/3 | 3/3 | Neg | Pos | 49 |
| 187 | 1/1 | 1/1 | 3/4 | Neg | Pos | 63 |
| 188 | 1/1 | 1/1 | 4/3 | Neg | Pos | 66 |
| 189 | 1/2 | 1/2 | 3/3 | Pos | Pos | 79 |
| 190 | 2/1 | 2/1 | 4/3 | Pos | Neg | 55 |
| 191 | 2/1 | 2/1 | 2/3 | Neg | Neg | 53 |
| 192 | 2/2 | 2/2 | 3/3 | Neg | Neg | 82 |
| 193 | 2/2 | 2/2 | 3/3 | Neg | Neg | 62 |
| 194 | 1/2 | 1/2 | 1/1 | Neg | Pos | 63 |
| 195 | 2/2 | 2/2 | 1/2 | Neg | Pos | 66 |
| 196 | 2/2 | 2/3 | 2/4 | Neg | Neg | 68 |
| 197 | 2/4 | 2/3 | 2/1 | Neg | Neg | 75 |
| 198 | 2/3 | 4/4 | 2/2 | Neg | Neg | 68 |
| 199 | 4/4 | 3/3 | 4/4 | Pos | Pos | 59 |
| 200 | 3/3 | 3/4 | 3/3 | Pos | Pos | 56 |
| 201 | 3/4 | 4/3 | 3/4 | Pos | Pos | 68 |
| 202 | 4/3 | 2/3 | 4/3 | Neg | Neg | 59 |
| 203 | 2/3 | 2/2 | 2/3 | Neg | Neg | 56 |
| 204 | 2/2 | 2/1 | 3/3 | Pos | Pos | 49 |
| 205 | 2/1 | 2/3 | 3/4 | Pos | Pos | 63 |
| 206 | 2/3 | 3/3 | 4/3 | Pos | Pos | 66 |
| 207 | 3/3 | 3/3 | 4/4 | Pos | Pos | 79 |
| 208 | 3/3 | 3/3 | 4/3 | Pos | Pos | 63 |
| 209 | 3/3 | 2/2 | 2/3 | Pos | Pos | 66 |

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 210 | 2/2 | 1/2 | 2/4 | Pos | Pos | 68 |
| 211 | 1/2 | 2/1 | 2/3 | Pos | Pos | 75 |
| 212 | 2/2 | 2/1 | 1/1 | Pos | Pos | 68 |
| 213 | 2/3 | 2/2 | 2/2 | Pos | Pos | 56 |
| 214 | 2/3 | 2/2 | 2/1 | Pos | Pos | 68 |
| 215 | 2/4 | 1/2 | 2/3 | Pos | Pos | 59 |
| 216 | 2/3 | 2/2 | 3/3 | Pos | Pos | 56 |
| 217 | 1/1 | 2/3 | 3/3 | Pos | Pos | 49 |
| 218 | 1/1 | 2/4 | 3/3 | Pos | Pos | 63 |
| 219 | 1/2 | 2/3 | 2/2 | Pos | Pos | 66 |
| 220 | 2/1 | 4/4 | 1/2 | Pos | Pos | 79 |
| 221 | 2/1 | 3/3 | 1/2 | Pos | Pos | 55 |
| 222 | 2/2 | 3/4 | 2/2 | Pos | Pos | 53 |
| 223 | 3/4 | 4/3 | 2/3 | Pos | Pos | 61 |
| 224 | 4/3 | 3/3 | 2/4 | Pos | Pos | 68 |
| 225 | 2/3 | 4/3 | 2/3 | Pos | Pos | 59 |
| 226 | 2/2 | 2/3 | 4/4 | Pos | Pos | 56 |
| 227 | 2/1 | 3/3 | 3/3 | Pos | Pos | 68 |
| 228 | 2/3 | 3/3 | 3/4 | Pos | Pos | 59 |
| 229 | 3/3 | 1/1 | 4/3 | Pos | Neg | 56 |
| 230 | 3/3 | 1/2 | 2/3 | Pos | Pos | 68 |
| 231 | 3/3 | 2/1 | 2/2 | Pos | Pos | 75 |
| 232 | 2/2 | 2/1 | 2/1 | Pos | Neg | 68 |
| 233 | 1/2 | 2/2 | 2/3 | Pos | Pos | 59 |
| 234 | 2/2 | 4/4 | 4/3 | Pos | Pos | 56 |
| 235 | 2/3 | 3/3 | 3/3 | Pos | Pos | 68 |
| 236 | 2/3 | 3/4 | 4/3 | Pos | Pos | 59 |
| 237 | 2/4 | 4/3 | 2/3 | Pos | Pos | 56 |
| 238 | 2/3 | 2/3 | 3/3 | Pos | Pos | 49 |
| 239 | 1/1 | 3/3 | 3/3 | Pos | Pos | 63 |
| 240 | 1/1 | 3/4 | 1/1 | Pos | Pos | 66 |
| 241 | 1/2 | 4/3 | 1/2 | Pos | Pos | 79 |
| 242 | 2/1 | 4/4 | 2/1 | Pos | Pos | 55 |
| 243 | 2/1 | 4/3 | 2/1 | Neg | Pos | 53 |
| 244 | 2/2 | 2/3 | 2/2 | Neg | Pos | 61 |

Appendix A
Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 245 | 4/3 | 2/4 | 4/4 | Neg | Pos | 68 |
| 246 | 2/3 | 2/3 | 3/3 | Neg | Pos | 59 |
| 247 | 2/2 | 1/1 | 3/4 | Pos | Pos | 56 |
| 248 | 2/1 | 2/2 | 4/3 | Pos | Pos | 68 |
| 249 | 2/3 | 2/1 | 2/3 | Pos | Pos | 56 |
| 250 | 3/3 | 2/3 | 3/3 | Pos | Pos | 49 |
| 251 | 3/3 | 3/3 | 3/4 | Pos | Pos | 56 |
| 252 | 3/3 | 3/3 | 4/3 | Pos | Pos | 49 |
| 253 | 2/2 | 3/3 | 4/4 | Pos | Pos | 63 |
| 254 | 1/2 | 2/2 | 4/3 | Pos | Pos | 66 |
| 255 | 2/2 | 1/2 | 2/3 | Pos | Pos | 79 |
| 256 | 2/3 | 1/2 | 2/4 | Pos | Pos | 55 |
| 257 | 2/3 | 2/2 | 2/3 | Pos | Pos | 53 |
| 258 | 2/4 | 2/3 | 1/1 | Pos | Pos | 61 |
| 259 | 2/3 | 2/4 | 2/4 | Pos | Pos | 68 |
| 260 | 4/4 | 2/3 | 2/1 | Pos | Pos | 59 |
| 261 | 4/3 | 4/4 | 2/3 | Pos | Pos | 56 |
| 262 | 4/3 | 3/3 | 3/3 | Pos | Pos | 68 |
| 263 | 3/3 | 3/4 | 3/3 | Pos | Pos | 78 |
| 264 | 4/3 | 4/3 | 3/3 | Pos | Pos | 79 |
| 265 | 4/3 | 2/3 | 2/2 | Pos | Pos | 55 |
| 266 | 2/2 | 2/2 | 1/2 | Pos | Pos | 53 |
| 267 | 2/1 | 2/1 | 1/2 | Pos | Pos | 82 |
| 268 | 2/3 | 2/3 | 2/3 | Neg | Neg | 62 |
| 269 | 3/3 | 3/3 | 2/4 | Neg | Neg | 63 |
| 270 | 3/3 | 3/3 | 2/3 | Neg | Neg | 66 |
| 271 | 3/3 | 3/3 | 1/1 | Neg | Neg | 67 |
| 272 | 2/2 | 2/2 | 1/1 | Pos | Neg | 72 |
| 273 | 1/2 | 3/3 | 1/2 | Pos | Neg | 79 |
| 274 | 1/2 | 4/3 | 2/1 | Neg | Neg | 75 |
| 275 | 2/2 | 3/3 | 2/1 | Neg | Neg | 68 |
| 276 | 2/3 | 3/4 | 2/2 | Neg | Neg | 59 |
| 277 | 2/4 | 4/3 | 2/2 | Neg | Neg | 56 |
| 278 | 2/3 | 2/2 | 1/2 | Neg | Pos | 49 |
| 279 | 3/3 | 2/3 | 2/3 | Neg | Pos | 63 |

Table 13
bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 280 | 4/3 | 2/3 | 2/4 | Neg | Pos | 79 |
| 281 | 3/3 | 2/4 | 2/3 | Neg | Neg | 55 |
| 282 | 3/4 | 2/3 | 4/4 | Pos | Neg | 53 |
| 283 | 4/3 | 3/3 | 3/3 | Pos | Pos | 82 |
| 284 | 3/4 | 4/3 | 3/4 | Pos | Pos | 62 |
| 285 | 4/4 | 3/3 | 4/3 | Neg | Pos | 66 |
| 286 | 3/3 | 2/3 | 2/3 | Pos | Pos | 67 |
| 287 | 3/4 | 3/3 | 2/2 | Pos | Pos | 63 |
| 288 | 4/3 | 3/3 | 2/1 | Pos | Pos | 66 |
| 289 | 2/3 | 3/3 | 2/3 | Pos | Pos | 67 |
| 290 | 3/3 | 2/2 | 3/3 | Pos | Pos | 72 |
| 291 | 3/4 | 1/2 | 3/3 | Pos | Pos | 79 |
| 292 | 4/3 | 2/2 | 3/3 | Pos | Pos | 75 |
| 293 | 4/4 | 2/3 | 2/2 | Pos | Neg | 68 |
| 294 | 4/3 | 2/3 | 1/2 | Pos | Neg | 77 |
| 295 | 4/3 | 2/4 | 2/1 | Pos | Neg | 76 |
| 296 | 3/4 | 2/3 | 3/3 | Pos | Neg | 63 |
| 297 | 4/4 | 1/1 | 2/2 | Neg | Pos | 62 |
| 298 | 3/3 | 2/2 | 1/2 | Neg | Pos | 63 |
| 299 | 3/4 | 1/2 | 2/2 | Neg | Pos | 66 |
| 300 | 4/3 | 2/1 | 4/4 | Neg | Neg | 67 |
| 301 | 2/3 | 3/3 | 3/3 | Pos | Neg | 72 |
| 302 | 3/3 | 2/2 | 3/4 | Pos | Pos | 79 |
| 303 | 3/4 | 1/2 | 4/3 | Neg | Pos | 75 |
| 304 | 4/3 | 2/2 | 2/3 | Neg | Pos | 68 |
| 305 | 4/4 | 4/4 | 3/3 | Neg | Pos | 75 |
| 306 | 4/3 | 3/3 | 3/4 | Neg | Pos | 68 |
| 307 | 4/3 | 1/1 | 4/3 | Neg | Pos | 59 |
| 308 | 3/3 | 1/2 | 4/4 | Neg | Pos | 56 |
| 309 | 4/3 | 2/1 | 4/3 | Neg | Pos | 49 |
| 310 | 2/3 | 2/1 | 2/3 | Neg | Pos | 63 |
| 311 | 3/3 | 2/2 | 2/4 | Pos | Pos | 79 |
| 312 | 3/3 | 4/4 | 2/3 | Pos | Pos | 75 |
| 313 | 1/1 | 3/3 | 1/1 | Pos | Neg | 68 |
| 314 | 1/2 | 3/4 | 2/2 | Neg | Neg | 59 |

Table 13
bcl2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 315 | 2/1 | 4/3 | 2/1 | Neg | Neg | 79 |
| 316 | 2/1 | 2/3 | 2/3 | Pos | Neg | 75 |
| 317 | 2/2 | 3/3 | 3/3 | Pos | Pos | 68 |
| 318 | 4/4 | 3/4 | 3/4 | Pos | Pos | 59 |
| 319 | 3/3 | 4/3 | 3/3 | Pos | Pos | 75 |
| 320 | 3/4 | 4/4 | 2/2 | Pos | Neg | 68 |
| 321 | 4/3 | 4/3 | 1/2 | Pos | Pos | 68 |
| 322 | 2/3 | 2/3 | 1/2 | Neg | Pos | 59 |
| 323 | 3/3 | 2/4 | 2/2 | Neg | Pos | 79 |
| 324 | 3/4 | 2/3 | 2/3 | Neg | Pos | 75 |
| 325 | 4/3 | 1/1 | 2/4 | Neg | Pos | 75 |
| 326 | 4/4 | 1/1 | 2/3 | Neg | Pos | 75 |
| 327 | 4/3 | 1/2 | 4/4 | Neg | Pos | 68 |
| 328 | 2/3 | 2/1 | 2/1 | Neg | Pos | 59 |
| 329 | 2/4 | 2/1 | 2/1 | Pos | Pos | 75 |
| 330 | 2/3 | 2/2 | 2/3 | Neg | Pos | 68 |
| 331 | 1/1 | 2/2 | 1/1 | Neg | Pos | 59 |
| 332 | 1/1 | 1/2 | 1/2 | Neg | Pos | 79 |
| 333 | 1/2 | 2/3 | 2/1 | Neg | Pos | 75 |
| 334 | 2/1 | 2/4 | 4/3 | Neg | Neg | 68 |
| 335 | 2/1 | 2/3 | 3/3 | Pos | Neg | 66 |
| 336 | 2/2 | 4/4 | 2/2 | Pos | Pos | 67 |
| 337 | 2/2 | 3/3 | 1/2 | Pos | Pos | 72 |
| 338 | 1/2 | 3/4 | 2/3 | Neg | Pos | 76 |
| 339 | 2/3 | 4/3 | 2/4 | Neg | Neg | 63 |
| 340 | 2/4 | 2/3 | 2/3 | Pos | Neg | 62 |
| 341 | 2/3 | 2/2 | 1/2 | Pos | Neg | 63 |
| 342 | 4/4 | 2/1 | 2/1 | Pos | Neg | 66 |
| 343 | 3/3 | 2/3 | 2/1 | Neg | Pos | 67 |
| 344 | 3/4 | 2/3 | 2/2 | Neg | Pos | 72 |
| 345 | 4/3 | 1/1 | 4/4 | Neg | Pos | 79 |
| 346 | 2/3 | 1/1 | 3/3 | Neg | Pos | 75 |
| 347 | 2/2 | 1/2 | 3/4 | Pos | Pos | 79 |
| 348 | 2/1 | 2/1 | 4/3 | Pos | Neg | 75 |
| 349 | 2/3 | 2/1 | 2/3 | Neg | Neg | 68 |

Table 13
bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

| Sample # | Experiment I | Experiment II | Experiment | HER-2/Neu | ER | Age |
|----------|--------------|---------------|------------|-----------|-----|-----|
| 350 | 1/1 | 2/2 | 3/3 | Pos | Pos | 75 |
| 351 | 2/2 | 2/2 | 3/4 | Pos | Neg | 77 |
| 352 | 2/1 | 1/2 | 4/3 | Neg | Neg | 76 |
| 353 | 2/3 | 2/3 | 4/4 | Neg | Neg | 63 |
| 354 | 3/3 | 2/4 | 4/3 | Neg | Neg | 68 |
| 355 | 3/3 | 2/3 | 3/3 | Neg | Neg | 67 |
| 356 | 3/3 | 2/4 | 2/2 | Neg | Pos | 79 |
| 357 | 2/2 | 2/3 | 1/2 | Neg | Pos | 75 |
| 358 | 1/2 | 4/4 | 2/2 | Neg | Pos | 68 |
| 359 | 1/2 | 3/3 | 2/3 | Pos | Pos | 75 |
| 360 | 2/2 | 3/4 | 2/3 | Pos | Neg | 75 |

KEY from Clinical Study P27 Staining
1-180 samples - Non Metastatic Good Prognosis
181-360 samples - Metastatic Poor Prognosis

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|--------------------------|-----------------|---------------------------|
| A 1a | 0/0 | normal breast | ductal | comedo, high grade |
| A 1b | 800/0 | normal breast | ductal | solid, low grade |
| A 1c | 1600/0 | normal breast | ductal | comedo, high grade |
| A 1d | 2400/0 | normal breast | ductal | solid, low grade |
| A 1e | 3200/0 | normal breast | ductal | comedo, high grade |
| A 1f | 4000/0 | normal breast | ductal | micropapillary, low grade |
| A 1g | 4800/0 | normal breast | ductal | comedo, high grade |
| A 1h | 5600/0 | normal breast | ductal | solid, low grade |
| A 1i | 6400/0 | normal breast | ductal | comedo, high grade |
| A 1j | 7200/0 | normal breast | ductal | micropapillary, low grade |
| A 1k | 8000/0 | normal breast | ductal | comedo, high grade |
| A 1l | 8800/0 | normal breast | ductal | comedo, high grade |
| A 1m | 9600/0 | normal breast | ductal | comedo, high grade |
| A 1n | 10400/0 | normal breast | ductal | cribriform, low grade |
| A 1o | 11200/0 | normal breast | ductal | comedo, high grade |
| A 1p | 12000/0 | normal breast | ductal | comedo, high grade |
| A 2a | 0/800 | normal breast | ductal | solid, low grade |
| A 2b | 800/800 | normal breast | ductal | comedo, high grade |
| A 2c | 1600/800 | normal breast | ductal | solid, low grade |
| A 2d | 2400/800 | normal breast | ductal | comedo, high grade |
| A 2e | 3200/800 | breast cancer, tubular | ductal | solid, low grade |
| A 2f | 4000/800 | breast cancer, lobular | ductal | comedo, high grade |
| A 2g | 4800/800 | breast cancer, ductal | ductal | solid, low grade |
| A 2h | 5600/800 | breast cancer, lobular | ductal | comedo, high grade |
| A 2i | 6400/800 | breast cancer, lobular | ductal | micropapillary, low grade |
| A 2j | 7200/800 | breast cancer, lobular | ductal | comedo, high grade |
| A 2k | 8000/800 | breast cancer, ductal | ductal | comedo, high grade |
| A 2l | 8800/800 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 2m | 9600/800 | breast cancer, ductal | ductal | comedo, high grade |
| A 2n | 10400/800 | breast cancer, ductal | ductal | comedo, high grade |
| A 2o | 11200/800 | breast cancer, ductal | ductal | comedo, high grade |
| A 2p | 12000/800 | breast cancer, ductal | ductal | cribriform, low grade |
| A 3a | 0/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3b | 800/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3c | 1600/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3d | 2400/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3e | 3200/1600 | breast cancer, mucinous | DCIS | solid, low grade |
| A 3f | 4000/1600 | breast cancer, ductal | DCIS | comedo, high grade |
| A 3g | 4800/1600 | breast cancer, lobular | DCIS | solid, low grade |
| A 3h | 5600/1600 | breast cancer, medullary | DCIS | comedo, high grade |
| A 3i | 6400/1600 | breast cancer, ductal | ductal | solid, low grade |
| A 3j | 7200/1600 | breast cancer, mucinous | ductal | comedo, high grade |
| A 3k | 8000/1600 | breast cancer, ductal | ductal | solid, low grade |
| A 3l | 8800/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3m | 9600/1600 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 3n | 10400/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3o | 11200/1600 | breast cancer, ductal | ductal | comedo, high grade |
| A 3p | 12000/1600 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 4a | 0/2400 | breast cancer, medullary | ductal | comedo, high grade |
| A 4b | 800/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4c | 1600/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4d | 2400/2400 | breast cancer, ductal | ductal | cribriform, low grade |
| A 4e | 3200/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4f | 4000/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4g | 4800/2400 | breast cancer, ductal | ductal | solid, low grade |
| A 4h | 5600/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4i | 6400/2400 | breast cancer, ductal | ductal | solid, low grade |
| A 4j | 7200/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4k | 8000/2400 | breast cancer, ductal | ductal | solid, low grade |
| A 4l | 8800/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4m | 9600/2400 | breast cancer, ductal | ductal | solid, low grade |

Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
| 1 | 2 | 2 | 1 | 4 | 1 | 0 | 28 |
| 1 | 2 | 2 | 1 | 19 | 1 | 0 | 17 |
| 1 | 3 | 3 | 3 | 33 | 2 | 1 | 15 |
| 1 | 3 | 3 | 2 | 14 | 1 | 0 | 23 |
| 1 | 3 | 3 | 2 | 12 | 1 | 0 | 25 |
| 1 | 3 | 2 | 1 | | 2 | 1 | 25 |
| 1 | 3 | 3 | 3 | 18 | 1 | 0 | 7 |
| 1 | 3 | 3 | 2 | 13 | 1 | 0 | 17 |
| 1 | 3 | 2 | 1 | 65 | 4 | 1 | 2 |
| 1 | 1 | 2 | 1 | 19 | 1 | 0 | 10 |
| 1 | 3 | 2 | 1 | 13 | 1 | 0 | 10 |
| 1 | 3 | 3 | 2 | 23 | 2 | 1 | 17 |
| 1 | 1 | 2 | 1 | 19 | 1 | 0 | 19 |
| 1 | 2 | 2 | 1 | 9 | 1 | 0 | 21 |
| 1 | 2 | 2 | 1 | 20 | 1 | 0 | 26 |
| 1 | 5 | 2 | 2 | 7 | 1 | 2 | 10 |
| 1 | 3 | 3 | 3 | 15 | 1 | 0 | 20 |
| 1 | 3 | 2 | 1 | 9 | 1 | 0 | 15 |
| 1 | 3 | 3 | 3 | 20 | 1 | 0 | 14 |
| 1 | 3 | 2 | 1 | 12 | 1 | 0 | 0 |
| 1 | 1 | 2 | 1 | 15 | 1 | 0 | 10 |
| 1 | 3 | 2 | 1 | 9 | 1 | 0 | 24 |
| 1 | 2 | 3 | 2 | 20 | 1 | 0 | 12 |
| 1 | 3 | 2 | 1 | 25 | 2 | 0 | 29 |
| 1 | 3 | 2 | 1 | 15 | 1 | 0 | 23 |
| 1 | 3 | 2 | 1 | 10 | 1 | 0 | 10 |
| 1 | 3 | 2 | 1 | 40 | 2 | 1 | 25 |
| 1 | 3 | 2 | 1 | 30 | 2 | 0 | 32 |
| 1 | 3 | 3 | 1 | 15 | 1 | 0 | 11 |
| 1 | 3 | 3 | 3 | 10 | 1 | 0 | 14 |
| 1 | 3 | 3 | 3 | 25 | 2 | 1 | 22 |
| 1 | 2 | 3 | 1 | 22 | 2 | 0 | 14 |
| 1 | 3 | 3 | 2 | 15 | 1 | 0 | 18 |
| 1 | 3 | 2 | 2 | 10 | 1 | 0 | 17 |
| 1 | 2 | 3 | 1 | 30 | 2 | 0 | 26 |
| 1 | 2 | 2 | 1 | 22 | 2 | 1 | 22 |
| 1 | 2 | 1 | 1 | 15 | 1 | 0 | 14 |
| 1 | 2 | 2 | 1 | 11 | 1 | 0 | 19 |
| 1 | 3 | 2 | 1 | 30 | 4 | 1 | 14 |
| 1 | 3 | 3 | 3 | 22 | 2 | 1 | 7 |
| 1 | 3 | 3 | 2 | 15 | 1 | 0 | 21 |
| 1 | 2 | 1 | 1 | 19 | 1 | 0 | 17 |
| 1 | 3 | 3 | 1 | 33 | 2 | 1 | 15 |
| 1 | 3 | 3 | 3 | 14 | 1 | 0 | 23 |
| 1 | 5 | 2 | 2 | 12 | 1 | 0 | 25 |
| 1 | 3 | 2 | 1 | | 2 | 1 | 25 |
| 1 | 1 | 2 | 1 | 18 | 1 | 0 | 7 |
| 1 | 3 | 2 | 1 | 13 | 1 | 0 | 17 |
| 1 | 3 | 3 | 3 | 65 | 4 | 1 | 2 |
| 1 | 3 | 3 | 2 | 19 | 1 | 0 | 10 |
| 1 | 2 | 2 | 1 | 13 | 1 | 0 | 10 |
| 1 | 2 | 2 | 1 | 23 | 2 | 1 | 17 |
| 1 | 2 | 3 | 1 | 19 | 1 | 0 | 19 |
| 1 | 2 | 3 | 1 | 9 | 1 | 0 | 21 |
| 1 | 3 | 3 | 2 | 20 | 1 | 0 | 26 |
| 1 | 1 | 2 | 1 | 7 | 1 | 2 | 10 |
| 1 | 3 | 3 | 1 | 15 | 1 | 0 | 20 |
| 1 | 3 | 3 | 1 | 9 | 1 | 0 | 15 |
| 1 | 3 | 2 | 3 | 20 | 1 | 0 | 14 |
| 1 | 3 | 2 | 3 | 12 | 1 | 0 | 0 |
| 1 | 3 | 3 | 3 | 15 | 1 | 0 | 10 |

Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 0 | 48 | 57 | 1001 | Neg | Neg | Pos |
| 0 | 45 | 58 | 1002 | Neg | Neg | Neg |
| 1 | 50 | 84 | 1003 | Neg | Pos | Neg |
| 0 | 48 | 60 | 1004 | Neg | Pos | Neg |
| 0 | 41 | 41 | 1005 | Neg | Pos | Pos |
| 3 | 51 | 45 | 1006 | Neg | Pos | Pos |
| 0 | 47 | 48 | 1007 | Pos | Neg | Pos |
| 0 | 42 | 64 | 1008 | Pos | Neg | Neg |
| 2 | 51 | 39 | 1009 | Pos | Neg | Neg |
| 0 | 47 | 48 | 1010 | Pos | Neg | Neg |
| 0 | 42 | 46 | 1011 | Neg | Neg | Pos |
| 3 | 53 | 71 | 1012 | Neg | Pos | Pos |
| 0 | 53 | 46 | 1013 | Neg | Pos | Pos |
| 0 | 48 | 77 | 1014 | Pos | Pos | Pos |
| 0 | 45 | 47 | 1015 | Pos | Neg | Pos |
| 7 | 53 | 47 | 1016 | Pos | Neg | Pos |
| 0 | 53 | 64 | 1017 | Pos | Neg | Neg |
| 0 | 50 | 57 | 1018 | Pos | Neg | Neg |
| 0 | 48 | 48 | 1019 | Pos | Neg | Pos |
| | 50 | 57 | 1020 | Neg | Neg | Pos |
| 0 | 70 | 55 | 1021 | Neg | Neg | Pos |
| 0 | 57 | 60 | 1022 | Pos | Neg | Pos |
| 0 | 63 | 48 | 1023 | Pos | Neg | Pos |
| 0 | 74 | 63 | 1024 | Pos | Neg | Pos |
| 0 | 71 | 54 | 1025 | Pos | Neg | Pos |
| 0 | 45 | 46 | 1026 | Pos | Neg | Neg |
| 3 | 29 | 48 | 1027 | Pos | Neg | Neg |
| 0 | 63 | 70 | 1028 | Pos | Neg | Neg |
| 0 | 53 | 61 | 1029 | Pos | Neg | Neg |
| 0 | 45 | 79 | 1030 | Pos | Neg | Neg |
| 16 | 62 | 51 | 1031 | Pos | Neg | Neg |
| 0 | 39 | 28 | 1032 | Neg | Neg | Pos |
| 0 | 61 | 17 | 1033 | Neg | Neg | Pos |
| 0 | 57 | 15 | 1034 | Neg | Neg | Pos |
| 0 | 58 | 23 | 1035 | Neg | Neg | Pos |
| 10 | 84 | 25 | 1036 | Neg | Neg | Neg |
| 0 | 60 | 25 | 1037 | Neg | Neg | Neg |
| 0 | 41 | 7 | 1038 | Neg | Neg | Neg |
| 8 | 45 | 17 | 1039 | Pos | Neg | Neg |
| 1 | 48 | 2 | 1040 | Pos | Neg | Neg |
| 0 | 64 | 10 | 1041 | Pos | Neg | Pos |
| 0 | 39 | 10 | 1042 | Pos | Neg | Pos |
| 1 | 48 | 17 | 1043 | Neg | Neg | Pos |
| 0 | 46 | 19 | 1044 | Neg | Neg | Neg |
| 0 | 71 | 21 | 1045 | Neg | Pos | Neg |
| 3 | 48 | 26 | 1046 | Neg | Neg | Neg |
| 0 | 77 | 10 | 1047 | Neg | Neg | Neg |
| 0 | 47 | 20 | 1048 | Pos | Neg | Neg |
| 2 | 47 | 15 | 1049 | Pos | Neg | Neg |
| 0 | 64 | 14 | 1050 | Pos | Neg | Neg |
| 0 | 57 | 0 | 1051 | Neg | Pos | Pos |
| 3 | 48 | 10 | 1052 | Neg | Pos | Pos |
| 0 | 57 | 24 | 1053 | Neg | Neg | Pos |
| 0 | 55 | 12 | 1054 | Neg | Neg | Neg |
| 0 | 60 | 29 | 1055 | Neg | Neg | Neg |
| 7 | 48 | 23 | 1056 | Neg | Pos | Neg |
| 0 | 63 | 10 | 1057 | Neg | Pos | Neg |
| 0 | 54 | 25 | 1058 | Neg | Pos | Neg |
| 0 | 46 | 32 | 1059 | Neg | Pos | Neg |
| | 48 | 11 | 1060 | Neg | Pos | Neg |
| 0 | 70 | 14 | 1061 | Neg | Pos | Neg |

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Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|-----------------|---------------------------|
| A 4n | 10400/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 4o | 11200/2400 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 4p | 12000/2400 | breast cancer, ductal | ductal | comedo, high grade |
| A 5a | 0/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5b | 800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5c | 1600/3200 | breast cancer, ductal | ductal | cribriform, low grade |
| A 5d | 2400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5e | 3200/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5f | 4000/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5g | 4800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5h | 5600/3200 | breast cancer, ductal | ductal | solid, low grade |
| A 5i | 6400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5j | 7200/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 5k | 8000/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5l | 8800/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 5m | 9600/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5n | 10400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5o | 11200/3200 | breast cancer, ductal | ductal | comedo, high grade |
| A 5r | 12000/3200 | breast cancer, ductal | ductal | cribriform, low grade |
| A 6a | 0/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6b | 800/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6c | 1600/4000 | breast cancer, ductal | ductal | solid, low grade |
| A 6d | 2400/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6e | 3200/4000 | breast cancer, ductal | ductal | solid, low grade |
| A 6f | 4000/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6g | 4800/4000 | breast cancer, ductal | ductal | solid, low grade |
| A 6h | 5600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6i | 6400/4000 | breast cancer, ductal | ductal | solid, low grade |
| A 6j | 7200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6k | 8000/4000 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 6l | 8800/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6m | 9600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6n | 10400/4000 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 6o | 11200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 6p | 12000/4000 | breast cancer, ductal | ductal | comedo, high grade |
| A 7a | 0/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7b | 800/4800 | breast cancer, ductal | ductal | cribriform, low grade |
| A 7c | 1600/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7d | 2400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7e | 3200/4800 | breast cancer, ductal | ductal | solid, low grade |
| A 7f | 4000/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7g | 4800/4800 | breast cancer, ductal | ductal | solid, low grade |
| A 7h | 5600/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7i | 6400/4800 | breast cancer, ductal | ductal | solid, low grade |
| A 7j | 7200/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7k | 8000/4800 | breast cancer, ductal | ductal | solid, low grade |
| A 7l | 8800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7m | 9600/4800 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 7n | 10400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7o | 11200/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 7p | 12000/4800 | breast cancer, ductal | ductal | comedo, high grade |
| A 8a | 0/5600 | breast cancer, ductal | ductal | cribriform, low grade |
| A 8b | 800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8c | 1600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8d | 2400/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8e | 3200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8f | 4000/5600 | breast cancer, ductal | ductal | solid, low grade |
| A 8g | 4800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8h | 5600/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 8i | 6400/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8j | 7200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8k | 8000/5600 | breast cancer, ductal | ductal | micropapillary, low grade |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| PCL XL error | BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all | |
|--------------|-------------|------------|------------|---------|----------------|----|----|--------|----|
| | Subsystem:1 | KERNEL | 3 | 3 | 2 | 9 | 1 | 0 | 24 |
| | 1 | 3 | 3 | 2 | 20 | 1 | 0 | 12 | |
| | Error: 1 | IllegalTag | 3 | 2 | 1 | 25 | 2 | 0 | 29 |
| | Operator:1 | 3 | 3 | 3 | 15 | 1 | 0 | 23 | |
| | 1 | 0x25 | 3 | 2 | 10 | 1 | 0 | 10 | |
| | Position:1 | 97 | 3 | 2 | 1 | 40 | 2 | 1 | 25 |
| | 1 | 1 | 2 | 1 | 30 | 2 | 0 | 32 | |
| | 1 | 3 | 2 | 1 | 15 | 1 | 0 | 11 | |
| | 1 | 3 | 3 | 2 | 10 | 1 | 0 | 14 | |
| | 1 | 1 | 2 | 1 | 25 | 2 | 1 | 22 | |
| | 1 | 2 | 2 | 1 | 22 | 2 | 0 | 14 | |
| | 1 | 2 | 2 | 1 | 15 | 1 | 0 | 18 | |
| | 1 | 5 | 2 | 2 | 10 | 1 | 0 | 17 | |
| | 1 | 3 | 3 | 3 | 30 | 2 | 0 | 26 | |
| | 1 | 3 | 2 | 1 | 22 | 2 | 1 | 22 | |
| | 1 | 3 | 3 | 3 | 15 | 1 | 0 | 14 | |
| | 1 | 3 | 2 | 1 | 11 | 1 | 0 | 19 | |
| | 1 | 1 | 2 | 1 | 30 | 4 | 1 | 14 | |
| | 1 | 3 | 2 | 1 | 22 | 2 | 1 | 7 | |
| | 1 | 2 | 3 | 2 | 15 | 1 | 0 | 21 | |
| | 1 | 3 | 2 | 1 | 12 | 1 | 0 | 16 | |
| | 1 | 3 | 2 | 1 | 40 | 2 | 2 | 12 | |
| | 1 | 3 | 2 | 1 | 12 | 1 | 0 | 0 | |
| | 1 | 3 | 3 | 3 | 15 | 1 | 0 | 15 | |
| | 1 | 5 | 2 | 2 | 7 | 1 | 0 | 16 | |
| | 1 | 3 | 2 | 1 | 20 | 1 | 0 | 8 | |
| | 1 | 1 | 2 | 1 | 45 | 2 | 1 | 19 | |
| | 1 | 3 | 2 | 1 | 15 | 1 | 0 | 24 | |
| | 1 | 3 | 3 | 3 | 12 | 1 | 0 | 21 | |
| | 1 | 3 | 3 | 2 | 35 | 2 | 0 | 9 | |
| | 1 | 2 | 2 | 1 | 21 | 2 | 1 | 9 | |
| | 1 | 2 | 2 | 1 | 15 | 1 | 0 | 7 | |
| | 1 | 2 | 3 | 1 | 12 | 1 | 0 | 2 | |
| | 1 | 2 | 3 | 1 | 22 | 2 | 0 | 7 | |
| | 1 | 3 | 3 | 2 | 25 | 2 | 1 | 21 | |
| | 1 | 1 | 2 | 1 | 15 | 1 | 0 | 21 | |
| | 1 | 3 | 3 | 1 | 12 | 1 | 0 | 14 | |
| | 1 | 3 | 3 | 1 | 30 | 2 | 0 | 14 | |
| | 1 | 3 | 2 | 3 | 15 | 1 | 0 | 10 | |
| | 2 | 3 | 2 | 3 | 40 | 2 | 2 | 16 | |
| | 2 | 3 | 3 | 3 | 35 | 2 | 1 | 28 | |
| | 2 | 3 | 3 | 2 | 19 | 1 | 0 | 5 | |
| | 2 | 3 | 3 | 2 | 22 | 4 | 1 | 12 | |
| | 2 | 3 | 2 | 1 | 45 | 2 | 1 | 16 | |
| | 2 | 3 | 3 | 3 | 10 | 1 | 0 | 23 | |
| | 2 | 3 | 3 | 2 | 18 | 1 | 0 | 10 | |
| | 2 | 2 | 2 | 1 | 60 | 3 | 2 | 10 | |
| | 2 | 2 | 2 | 1 | 12 | 1 | 1 | 16 | |
| | 2 | 5 | 2 | 2 | 13 | 1 | 0 | 12 | |
| | 2 | 3 | 3 | 3 | 24 | 2 | 1 | 22 | |
| | 2 | 3 | 2 | 1 | 25 | 2 | 0 | 10 | |
| | 2 | 3 | 3 | 3 | 40 | 2 | 2 | 36 | |
| | 2 | 3 | 2 | 1 | 25 | 2 | 0 | 16 | |
| | 2 | 1 | 2 | 1 | 11 | 1 | 0 | 11 | |
| | 2 | 3 | 2 | 1 | 20 | 1 | 1 | 9 | |
| | 2 | 2 | 3 | 2 | 11 | 1 | 0 | 19 | |
| | 2 | 3 | 2 | 1 | 13 | 1 | 0 | 14 | |
| | 2 | 3 | 2 | 1 | 30 | 4 | 0 | 20 | |
| | 2 | 3 | 2 | 1 | 24 | 2 | 1 | 14 | |
| | 2 | 3 | 3 | 3 | 27 | 2 | 1 | 14 | |
| | 2 | 5 | 2 | 2 | 18 | 1 | 0 | 16 | |
| | 2 | 3 | 2 | 1 | 24 | 2 | 1 | 10 | |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN_pos | age | Survival/Mo | Identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 0 | 61 | 22 | 1062 | Neg | Neg | Neg |
| 0 | 79 | 14 | 1063 | Neg | Neg | Neg |
| 0 | 51 | 18 | 1064 | Neg | Pos | Neg |
| 0 | 73 | 17 | 1065 | Neg | Pos | Neg |
| 0 | 47 | 48 | 1066 | Neg | Pos | Neg |
| 3 | 41 | 64 | 1067 | Neg | Pos | Neg |
| 0 | 51 | 39 | 1068 | Neg | Pos | Neg |
| 0 | 78 | 48 | 1069 | Neg | Pos | Neg |
| 0 | 69 | 46 | 1070 | Neg | Pos | Neg |
| 16 | 42 | 71 | 1071 | Neg | Pos | Neg |
| 0 | 52 | 46 | 1072 | Neg | Neg | Neg |
| 0 | 62 | 77 | 1073 | Neg | Neg | Neg |
| 0 | 75 | 47 | 1074 | Neg | Neg | Pos |
| 0 | 43 | 47 | 1075 | Neg | Neg | Neg |
| 10 | 52 | 64 | 1076 | Neg | Neg | Neg |
| 0 | 56 | 57 | 1077 | Neg | Neg | Neg |
| 0 | 62 | 48 | 1078 | Neg | Neg | Neg |
| 8 | 44 | 57 | 1079 | Neg | Pos | Neg |
| 1 | 52 | 55 | 1080 | Neg | Pos | Pos |
| 0 | 57 | 60 | 1081 | Pos | Pos | Pos |
| 0 | 40 | 48 | 1082 | Neg | Pos | Neg |
| 9 | 44 | 63 | 1083 | Neg | Neg | Neg |
| | 52 | 54 | 1084 | Neg | Neg | Neg |
| 0 | 52 | 46 | 1085 | Neg | Neg | Pos |
| 0 | 58 | 48 | 1086 | Neg | Neg | Pos |
| 0 | 55 | 70 | 1087 | Pos | Neg | Pos |
| 3 | 48 | 61 | 1088 | Pos | Pos | Pos |
| 0 | 61 | 79 | 1089 | Neg | Pos | Pos |
| 0 | 60 | 51 | 1090 | Neg | Pos | Pos |
| 0 | 45 | 73 | 1091 | Neg | Neg | Neg |
| 1 | 53 | 47 | 1092 | Pos | Neg | Neg |
| 0 | 68 | 41 | 1093 | Pos | Neg | Pos |
| 0 | 41 | 51 | 1094 | Pos | Neg | Pos |
| 0 | 46 | 78 | 1095 | Pos | Neg | Pos |
| 3 | 53 | 69 | 1096 | Pos | Neg | Pos |
| 0 | 63 | 42 | 1097 | Neg | Neg | Neg |
| 0 | 66 | 52 | 1098 | Neg | Neg | Neg |
| 0 | 46 | 62 | 1099 | Neg | Neg | Neg |
| 0 | 57 | 75 | 1100 | Pos | Pos | Pos |
| 9 | 40 | 43 | 1101 | Pos | Pos | Pos |
| 5 | 48 | 52 | 1102 | Pos | Pos | Pos |
| 0 | 52 | 56 | 1103 | Pos | Pos | Pos |
| 1 | 55 | 62 | 1104 | Pos | Pos | Pos |
| 7 | 39 | 44 | 1105 | Neg | Neg | Neg |
| 0 | 48 | 52 | 1106 | Neg | Neg | Neg |
| 0 | 51 | 57 | 1107 | Neg | Pos | Pos |
| 6 | 54 | 40 | 1108 | Neg | Pos | Pos |
| 16 | 40 | 44 | 1109 | Neg | Pos | Pos |
| 0 | 48 | 52 | 1110 | Neg | Pos | Neg |
| 3 | 51 | 52 | 1111 | Pos | Neg | Pos |
| 0 | 55 | 58 | 1112 | Pos | Neg | Pos |
| 34 | 40 | 55 | 1113 | Neg | Pos | Neg |
| 0 | 48 | 48 | 1114 | Neg | Pos | Neg |
| 0 | 52 | 61 | 1115 | Neg | Pos | Neg |
| 7 | 55 | 60 | 1116 | Pos | Neg | Pos |
| 0 | 41 | 45 | 1117 | Pos | Neg | Pos |
| 0 | 49 | 53 | 1118 | Pos | Neg | Pos |
| 0 | 52 | 68 | 1119 | Neg | Pos | Pos |
| 1 | 55 | 41 | 1120 | Neg | Pos | Neg |
| 8 | 41 | 46 | 1121 | Neg | Pos | Neg |
| 0 | 49 | 53 | 1122 | Neg | Pos | Neg |
| 2 | 52 | 63 | 1123 | Neg | Pos | Neg |

[illegible]291

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|-----------------|---------------------------|
| A 8l | 8800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8m | 9600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8n | 10400/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 8o | 11200/5600 | breast cancer, ductal | ductal | cribriform, low grade |
| A 8p | 12000/5600 | breast cancer, ductal | ductal | comedo, high grade |
| A 9a | 0/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9b | 800/6400 | breast cancer, ductal | ductal | solid, low grade |
| A 9c | 1600/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9d | 2400/6400 | breast cancer, ductal | ductal | solid, low grade |
| A 9e | 3200/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9f | 4000/6400 | breast cancer, ductal | ductal | solid, low grade |
| A 9g | 4800/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9h | 5600/6400 | breast cancer, ductal | ductal | solid, low grade |
| A 9i | 6400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9j | 7200/6400 | breast cancer, ductal | ductal | micropapillary, low grade |
| A 9k | 8000/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9l | 8800/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9m | 9600/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9n | 10400/6400 | breast cancer, ductal | ductal | cribriform, low grade |
| A 9o | 11200/6400 | breast cancer, ductal | ductal | comedo, high grade |
| A 9p | 12000/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 1a | 0/0 | normal breast | normal breast | comedo, high grade |
| B 1b | 800/0 | normal breast | normal breast | |
| B 1c | 1600/0 | normal breast | normal breast | |
| B 1d | 2400/0 | normal breast | normal breast | |
| B 1e | 3200/0 | normal breast | normal breast | |
| B 1f | 4000/0 | normal breast | normal breast | |
| B 1g | 4800/0 | normal breast | normal breast | |
| B 1h | 5600/0 | normal breast | normal breast | |
| B 1i | 6400/0 | normal breast | normal breast | |
| B 1j | 7200/0 | normal breast | normal breast | |
| B 1k | 8000/0 | normal breast | normal breast | |
| B 1l | 8800/0 | normal breast | normal breast | |
| B 1m | 9600/0 | normal breast | normal breast | |
| B 1n | 10400/0 | normal breast | normal breast | |
| B 1o | 11200/0 | normal breast | normal breast | |
| B 1p | 12000/0 | normal breast | normal breast | |
| B 2a | 0/800 | normal breast | normal breast | |
| B 2b | 800/800 | normal breast | normal breast | |
| B 2c | 1600/800 | normal breast | normal breast | |
| B 2d | 2400/800 | normal breast | normal breast | |
| B 2e | 3200/800 | breast cancer, ductal | DCIS | cribriform, low grade |
| B 2f | 4000/800 | breast cancer, ductal | DCIS | comedo, high grade |
| B 2g | 4800/800 | breast cancer, ductal | DCIS | cribriform, low grade |
| B 2h | 5600/800 | breast cancer, ductal | DCIS | cribriform, low grade |
| B 2i | 6400/800 | breast cancer, ductal | DCIS | solid, low grade |
| B 2j | 7200/800 | breast cancer, ductal | DCIS | comedo, high grade |
| B 2k | 8000/800 | breast cancer, ductal | DCIS | solid, low grade |
| B 2l | 8800/800 | breast cancer, ductal | DCIS | comedo, high grade |
| B 2m | 9600/800 | breast cancer, ductal | DCIS | solid, low grade |
| B 2n | 10400/800 | breast cancer, ductal | DCIS | comedo, high grade |
| B 2o | 11200/800 | breast cancer, ductal | DCIS | solid, low grade |
| B 2p | 12000/800 | breast cancer, ductal | DCIS | comedo, high grade |
| B 3a | 0/1600 | breast cancer, ductal | DCIS | comedo, high grade |
| B 3b | 800/1600 | breast cancer, ductal | DCIS | comedo, high grade |
| B 3c | 1600/1600 | breast cancer, ductal | DCIS | solid, low grade |
| B 3d | 2400/1600 | breast cancer, ductal | DCIS | comedo, high grade |
| B 3e | 3200/1600 | breast cancer, ductal | DCIS | solid, low grade |
| B 3f | 4000/1600 | breast cancer, ductal | DCIS | comedo, high grade |
| B 3g | 4800/1600 | breast cancer, ductal | DCIS | micropapillary, low grade |
| B 3h | 5600/1600 | breast cancer, ductal | DCIS | comedo, high grade |
| | | | | solid, low grade |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
| 2 | 1 | 2 | 1 | 25 | 2 | 1 | 15 |
| 2 | 3 | 2 | 1 | 12 | 1 | 0 | 25 |
| 2 | 3 | 3 | 3 | 22 | 2 | 0 | 16 |
| 2 | 3 | 3 | 2 | 60 | 3 | 2 | 18 |
| 2 | 2 | 2 | 1 | 28 | 2 | 1 | 27 |
| 2 | 2 | 2 | 1 | 25 | 2 | 1 | 19 |
| 2 | 2 | 3 | 1 | 15 | 1 | 1 | 23 |
| 2 | 2 | 3 | 1 | 22 | 2 | 0 | 17 |
| 2 | 3 | 3 | 1 | 30 | 2 | 1 | 23 |
| 2 | 3 | 3 | 1 | 19 | 1 | 1 | 31 |
| 2 | 3 | 2 | 3 | 25 | 2 | 1 | 27 |
| 2 | 3 | 2 | 3 | 76 | 3 | 1 | 28 |
| 2 | 3 | 3 | 3 | 12 | 1 | 0 | 16 |
| 2 | 3 | 3 | 2 | 15 | 1 | 0 | 15 |
| 2 | 3 | 3 | 2 | 30 | 2 | 1 | 25 |
| 2 | 3 | 2 | 1 | 16 | 1 | 0 | 40 |
| 2 | 3 | 3 | 3 | 15 | 1 | 0 | 16 |
| 2 | 3 | 3 | 2 | 27 | 2 | 0 | 33 |
| 2 | 2 | 2 | 1 | 35 | 2 | 1 | 28 |
| 2 | 2 | 2 | 1 | 17 | 1 | 0 | 33 |
| 2 | 5 | 2 | 2 | 13 | 1 | 1 | 12 |

| | | | | | | | |
|---|---|---|---|----|---|---|----|
| 1 | 1 | 2 | 1 | 10 | 1 | 0 | 10 |
| 1 | 3 | 2 | 1 | 40 | 2 | 1 | 25 |
| 1 | 2 | 3 | 2 | 30 | 2 | 0 | 32 |
| 1 | 3 | 2 | 1 | 15 | 1 | 0 | 11 |
| 1 | 3 | 2 | 1 | 10 | 1 | 0 | 14 |
| 1 | 3 | 2 | 1 | 25 | 2 | 1 | 22 |
| 1 | 3 | 3 | 3 | 22 | 2 | 0 | 14 |
| 1 | 5 | 2 | 2 | 15 | 1 | 0 | 18 |
| 1 | 3 | 2 | 1 | 10 | 1 | 0 | 17 |
| 1 | 1 | 2 | 1 | 30 | 2 | 0 | 26 |
| 1 | 3 | 2 | 1 | 22 | 2 | 1 | 22 |
| 1 | 3 | 3 | 3 | 15 | 1 | 0 | 14 |
| 1 | 3 | 3 | 2 | 11 | 1 | 0 | 19 |
| 1 | 2 | 2 | 1 | 30 | 4 | 1 | 14 |
| 1 | 2 | 2 | 1 | 22 | 2 | 1 | 7 |
| 1 | 2 | 3 | 1 | 15 | 1 | 0 | 21 |
| 1 | 2 | 3 | 1 | 12 | 1 | 0 | 16 |
| 1 | 3 | 3 | 1 | 40 | 2 | 2 | 12 |
| 1 | 3 | 3 | 1 | 12 | 1 | 0 | 0 |
| 1 | 3 | 2 | 3 | 15 | 1 | 0 | 15 |

Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN_pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 1 | 55 | 66 | 1124 | Neg | Pos | Neg |
| 0 | 42 | 46 | 1125 | Neg | Neg | Neg |
| 0 | 49 | 57 | 1126 | Neg | Neg | Neg |
| 7 | 52 | 40 | 1127 | Neg | Pos | Neg |
| 6 | 55 | 48 | 1128 | Neg | Pos | Neg |
| 5 | 42 | 52 | 1129 | Neg | Pos | Neg |
| 3 | 49 | 55 | 1130 | Neg | Pos | Neg |
| 0 | 53 | 39 | 1131 | Neg | Pos | Neg |
| 2 | 55 | 48 | 1132 | Neg | Pos | Neg |
| 1 | 43 | 51 | 1133 | Neg | Pos | Neg |
| 2 | 49 | 54 | 1134 | Neg | Neg | Neg |
| 4 | 53 | 40 | 1135 | Neg | Neg | Neg |
| 0 | 56 | 48 | 1136 | Neg | Neg | Neg |
| 0 | 45 | 51 | 1137 | Neg | Neg | Neg |
| 1 | 49 | 55 | 1138 | Neg | Pos | Neg |
| 0 | 54 | 40 | 1139 | Neg | Pos | Neg |
| 0 | 56 | 48 | 1140 | Neg | Pos | Neg |
| 0 | 46 | 52 | 1141 | Neg | Pos | Neg |
| 6 | 49 | 55 | 1142 | Pos | Neg | Pos |
| 0 | 54 | 41 | 1143 | Neg | Neg | Neg |
| 2 | 46 | 49 | 1144 | Neg | Neg | Neg |
| | 55 | | 1001 | Neg | Neg | Neg |
| | 41 | | 1002 | Neg | Neg | Neg |
| | 49 | | 1003 | Neg | Neg | Neg |
| | 52 | | 1004 | Neg | Neg | Neg |
| | 55 | | 1005 | Neg | Neg | Neg |
| | 42 | | 1006 | Neg | Pos | Neg |
| | 49 | | 1007 | Neg | Neg | Neg |
| | 52 | | 1008 | Neg | Neg | Neg |
| | 55 | | 1009 | Neg | Neg | Neg |
| | 42 | | 1010 | Neg | Neg | Neg |
| | 49 | | 1011 | Neg | Pos | Neg |
| | 53 | | 1012 | Neg | Pos | Neg |
| | 55 | | 1013 | Neg | Neg | Pos |
| | 43 | | 1014 | Neg | Neg | Neg |
| | 49 | | 1015 | Neg | Neg | Neg |
| | 53 | | 1016 | Neg | Neg | Pos |
| | 56 | | 1017 | Neg | Neg | Neg |
| | 45 | | 1018 | Pos | Neg | Neg |
| | 49 | | 1019 | Neg | Neg | Neg |
| | 54 | | 1020 | Neg | Neg | Neg |
| 0 | 70 | 56 | 1021 | Pos | Neg | Pos |
| 3 | 57 | 46 | 1022 | Neg | Pos | Neg |
| 0 | 63 | 53 | 1023 | Neg | Pos | Neg |
| 0 | 74 | 63 | 1024 | Pos | Pos | Neg |
| 0 | 71 | 66 | 1025 | Pos | Pos | Neg |
| 16 | 45 | 46 | 1026 | Pos | Pos | Neg |
| 0 | 29 | 57 | 1027 | Pos | Neg | Neg |
| 0 | 63 | 40 | 1028 | Pos | Neg | Neg |
| 0 | 53 | 48 | 1029 | Neg | Neg | Neg |
| 0 | 45 | 52 | 1030 | Neg | Neg | Neg |
| 10 | 62 | 55 | 1031 | Neg | Pos | Neg |
| 0 | 39 | 39 | 1032 | Pos | Pos | Neg |
| 0 | 61 | 48 | 1033 | Pos | Pos | Neg |
| 8 | 57 | 46 | 1034 | Pos | Pos | Neg |
| 1 | 58 | 53 | 1035 | Pos | Neg | Pos |
| 0 | 84 | 63 | 1036 | Pos | Neg | Neg |
| 0 | 60 | 66 | 1037 | Pos | Neg | Neg |
| 9 | 41 | 46 | 1038 | Neg | Pos | Neg |
| | 45 | 57 | 1039 | Pos | Neg | Neg |
| 0 | 48 | 40 | 1040 | Pos | Pos | Neg |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|-----------------|---------------------------|
| B 3i | 6400/1600 | breast cancer, ductal | ductal | comedo, high grade |
| B 3j | 7200/1600 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 3k | 8000/1600 | breast cancer, ductal | ductal | comedo, high grade |
| B 3l | 8800/1600 | breast cancer, ductal | ductal | comedo, high grade |
| B 3m | 9600/1600 | breast cancer, ductal | ductal | comedo, high grade |
| B 3n | 10400/1600 | breast cancer, ductal | ductal | cribriform, low grade |
| B 3o | 11200/1600 | breast cancer, ductal | ductal | comedo, high grade |
| B 3p | 12000/1600 | breast cancer, ductal | ductal | comedo, high grade |
| B 4a | 0/2400 | breast cancer, ductal | ductal | solid, low grade |
| B 4b | 800/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4c | 1600/2400 | breast cancer, ductal | ductal | solid, low grade |
| B 4d | 2400/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4e | 3200/2400 | breast cancer, ductal | ductal | solid, low grade |
| B 4f | 4000/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4g | 4800/2400 | breast cancer, ductal | ductal | solid, low grade |
| B 4h | 5600/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4i | 6400/2400 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 4j | 7200/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4k | 8000/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4l | 8800/2400 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 4m | 9600/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4n | 10400/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4o | 11200/2400 | breast cancer, ductal | ductal | comedo, high grade |
| B 4p | 12000/2400 | breast cancer, ductal | ductal | cribriform, low grade |
| B 5a | 0/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5b | 800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5c | 1600/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5d | 2400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5e | 3200/3200 | breast cancer, ductal | ductal | solid, low grade |
| B 5f | 4000/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5g | 4800/3200 | breast cancer, ductal | ductal | solid, low grade |
| B 5h | 5600/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5i | 6400/3200 | breast cancer, ductal | ductal | solid, low grade |
| B 5j | 7200/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5k | 8000/3200 | breast cancer, ductal | ductal | solid, low grade |
| B 5l | 8800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5m | 9600/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 5n | 10400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5o | 11200/3200 | breast cancer, ductal | ductal | comedo, high grade |
| B 5r | 12000/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 6a | 0/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6b | 800/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6c | 1600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6d | 2400/4000 | breast cancer, ductal | ductal | cribriform, low grade |
| B 6e | 3200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6f | 4000/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6g | 4800/4000 | breast cancer, ductal | ductal | solid, low grade |
| B 6h | 5600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6i | 6400/4000 | breast cancer, ductal | ductal | solid, low grade |
| B 6j | 7200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6k | 8000/4000 | breast cancer, ductal | ductal | solid, low grade |
| B 6l | 8800/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6m | 9600/4000 | breast cancer, ductal | ductal | solid, low grade |
| B 6n | 10400/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 6o | 11200/4000 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 6p | 12000/4000 | breast cancer, ductal | ductal | comedo, high grade |
| B 7a | 0/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7b | 800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7c | 1600/4800 | breast cancer, ductal | ductal | cribriform, low grade |
| B 7d | 2400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7e | 3200/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7f | 4000/4800 | breast cancer, ductal | ductal | comedo, high grade |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
| 1 | 3 | 2 | 3 | 7 | 1 | 0 | 16 |
| 1 | 2 | 2 | 1 | 20 | 1 | 0 | 8 |
| 1 | 2 | 2 | 1 | 45 | 2 | 1 | 19 |
| 1 | 3 | 3 | 3 | 15 | 1 | 0 | 24 |
| 1 | 3 | 3 | 2 | 12 | 1 | 0 | 21 |
| 1 | 3 | 3 | 2 | 35 | 2 | 0 | 9 |
| 1 | 3 | 2 | 1 | 18 | 1 | 0 | 7 |
| 1 | 3 | 3 | 3 | 13 | 1 | 0 | 17 |
| 1 | 3 | 3 | 2 | 65 | 4 | 1 | 2 |
| 1 | 3 | 2 | 1 | 19 | 1 | 0 | 10 |
| 1 | 1 | 2 | 1 | 13 | 1 | 0 | 10 |
| 1 | 3 | 2 | 1 | 23 | 2 | 1 | 17 |
| 1 | 3 | 3 | 2 | 19 | 1 | 0 | 19 |
| 1 | 1 | 2 | 1 | 9 | 1 | 0 | 21 |
| 1 | 2 | 2 | 1 | 20 | 1 | 0 | 26 |
| 1 | 2 | 2 | 1 | 7 | 1 | 2 | 10 |
| 1 | 5 | 2 | 2 | 15 | 1 | 0 | 20 |
| 1 | 3 | 3 | 3 | 9 | 1 | 0 | 15 |
| 1 | 3 | 2 | 1 | 20 | 1 | 0 | 14 |
| 1 | 3 | 3 | 3 | 12 | 1 | 0 | 0 |
| 1 | 3 | 2 | 1 | 15 | 1 | 0 | 10 |
| 1 | 1 | 2 | 1 | 9 | 1 | 0 | 24 |
| 1 | 3 | 2 | 1 | 20 | 1 | 0 | 12 |
| 1 | 2 | 3 | 2 | 25 | 2 | 0 | 29 |
| 1 | 3 | 2 | 1 | 15 | 1 | 0 | 23 |
| 1 | 2 | 2 | 1 | 10 | 1 | 0 | 10 |
| 1 | 2 | 2 | 1 | 40 | 2 | 1 | 25 |
| 1 | 3 | 3 | 3 | 30 | 2 | 0 | 32 |
| 1 | 3 | 3 | 2 | 15 | 1 | 0 | 11 |
| 1 | 3 | 3 | 2 | 10 | 1 | 0 | 14 |
| 1 | 3 | 2 | 1 | 25 | 2 | 1 | 22 |
| 1 | 3 | 3 | 3 | 22 | 2 | 0 | 14 |
| 1 | 3 | 3 | 2 | 15 | 1 | 0 | 18 |
| 1 | 3 | 2 | 1 | 10 | 1 | 0 | 17 |
| 1 | 1 | 2 | 1 | 30 | 2 | 0 | 26 |
| 1 | 3 | 2 | 1 | 22 | 2 | 1 | 22 |
| 1 | 3 | 3 | 2 | 15 | 1 | 0 | 14 |
| 1 | 1 | 2 | 1 | 11 | 1 | 0 | 19 |
| 1 | 2 | 2 | 1 | 30 | 4 | 1 | 14 |
| 1 | 2 | 2 | 1 | 22 | 2 | 1 | 7 |
| 1 | 5 | 2 | 2 | 15 | 1 | 0 | 21 |
| 1 | 3 | 3 | 3 | 12 | 1 | 0 | 16 |
| 1 | 3 | 2 | 1 | 40 | 2 | 2 | 12 |
| 1 | 3 | 3 | 3 | 12 | 1 | 0 | 0 |
| 1 | 3 | 2 | 1 | 15 | 1 | 0 | 15 |
| 1 | 1 | 2 | 1 | 7 | 1 | 0 | 16 |
| 1 | 3 | 2 | 1 | 20 | 1 | 0 | 8 |
| 1 | 2 | 3 | 2 | 45 | 2 | 1 | 19 |
| 1 | 3 | 2 | 1 | 15 | 1 | 0 | 24 |
| 1 | 3 | 3 | 3 | 12 | 1 | 0 | 21 |
| 1 | 3 | 3 | 2 | 35 | 2 | 0 | 9 |
| 1 | 3 | 2 | 1 | 21 | 2 | 1 | 9 |
| 1 | 1 | 2 | 1 | 15 | 1 | 0 | 7 |
| 1 | 3 | 2 | 1 | 12 | 1 | 0 | 2 |
| 1 | 3 | 3 | 2 | 22 | 2 | 0 | 7 |
| 1 | 1 | 2 | 1 | 25 | 2 | 1 | 21 |
| 1 | 2 | 2 | 1 | 15 | 1 | 0 | 21 |
| 1 | 2 | 2 | 1 | 12 | 1 | 0 | 14 |
| 1 | 5 | 2 | 2 | 30 | 2 | 0 | 14 |
| 1 | 3 | 3 | 3 | 15 | 1 | 0 | 10 |
| 2 | 3 | 2 | 1 | 40 | 2 | 2 | 16 |
| 2 | 3 | 3 | 3 | 35 | 2 | 1 | 28 |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 0 | 64 | 48 | 1041 | Pos | Pos | Neg |
| 0 | 39 | 52 | 1042 | Pos | Pos | Pos |
| 3 | 48 | 55 | 1043 | Pos | Pos | Pos |
| 0 | 46 | 39 | 1044 | Pos | Pos | Neg |
| 0 | 71 | 48 | 1045 | Neg | Pos | Neg |
| 0 | 46 | 51 | 1046 | Neg | Neg | Neg |
| 0 | 77 | 54 | 1047 | Neg | Neg | Pos |
| 0 | 47 | 40 | 1048 | Neg | Neg | Pos |
| 2 | 47 | 48 | 1049 | Pos | Neg | Pos |
| 0 | 64 | 51 | 1050 | Pos | Pos | Neg |
| 0 | 57 | 55 | 1051 | Neg | Pos | Neg |
| 3 | 48 | 40 | 1052 | Neg | Neg | Pos |
| 0 | 57 | 48 | 1053 | Neg | Neg | Pos |
| 0 | 55 | 52 | 1054 | Neg | Neg | Pos |
| 0 | 60 | 55 | 1055 | Neg | Neg | Pos |
| 7 | 48 | 39 | 1056 | Neg | Neg | Neg |
| 0 | 63 | 48 | 1057 | Neg | Neg | Neg |
| 0 | 54 | 46 | 1058 | Neg | Neg | Pos |
| 0 | 46 | 53 | 1059 | Pos | Pos | Pos |
| | 48 | 63 | 1060 | Pos | Pos | Pos |
| 0 | 70 | 66 | 1061 | Pos | Pos | Pos |
| 0 | 61 | 46 | 1062 | Neg | Pos | Neg |
| 0 | 79 | 57 | 1063 | Neg | Neg | Pos |
| 0 | 51 | 40 | 1064 | Pos | Pos | Neg |
| 0 | 73 | 48 | 1065 | Pos | Pos | Neg |
| 0 | 47 | 52 | 1066 | Pos | Pos | Neg |
| 3 | 41 | 55 | 1067 | Pos | Neg | Neg |
| 0 | 51 | 39 | 1068 | Pos | Pos | Neg |
| 0 | 78 | 48 | 1069 | Pos | Pos | Neg |
| 0 | 69 | 51 | 1070 | Pos | Pos | Pos |
| 16 | 42 | 48 | 1071 | Pos | Pos | Pos |
| 0 | 52 | 51 | 1072 | Pos | Pos | Neg |
| 0 | 62 | 55 | 1073 | Pos | Pos | Neg |
| 0 | 75 | 40 | 1074 | Pos | Neg | Neg |
| 0 | 43 | 48 | 1075 | Pos | Neg | Pos |
| 10 | 52 | 52 | 1076 | Pos | Neg | Pos |
| 0 | 56 | 55 | 1077 | Pos | Neg | Pos |
| 0 | 62 | 41 | 1078 | Pos | Pos | Neg |
| 8 | 44 | 49 | 1079 | Pos | Pos | Neg |
| 1 | 52 | 52 | 1080 | Pos | Neg | Pos |
| 0 | 57 | 55 | 1081 | Pos | Neg | Pos |
| 0 | 40 | 41 | 1082 | Pos | Neg | Pos |
| 9 | 44 | 49 | 1083 | Pos | Neg | Pos |
| | 52 | 52 | 1084 | Pos | Neg | Neg |
| 0 | 52 | 55 | 1085 | Pos | Neg | Neg |
| 0 | 58 | 42 | 1086 | Pos | Neg | Pos |
| 0 | 55 | 49 | 1087 | Pos | Pos | Pos |
| 3 | 48 | 52 | 1088 | Pos | Pos | Pos |
| 0 | 61 | 55 | 1089 | Pos | Pos | Pos |
| 0 | 60 | 42 | 1090 | Pos | Neg | Neg |
| 0 | 45 | 49 | 1091 | Pos | Neg | Neg |
| 1 | 53 | 53 | 1092 | Pos | Pos | Neg |
| 0 | 68 | 55 | 1093 | Pos | Pos | Pos |
| 0 | 41 | 48 | 1094 | Pos | Neg | Pos |
| 0 | 46 | 51 | 1095 | Pos | Neg | Neg |
| 3 | 53 | 55 | 1096 | Pos | Neg | Neg |
| 0 | 63 | 40 | 1097 | Pos | Neg | Neg |
| 0 | 66 | 48 | 1098 | Pos | Neg | Neg |
| 0 | 46 | 52 | 1099 | Pos | Neg | Neg |
| 0 | 57 | 55 | 1100 | Pos | Neg | Neg |
| 9 | 40 | 41 | 1101 | Pos | Neg | Neg |
| 5 | 46 | 49 | 1102 | Pos | Pos | Pos |

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Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|-----------------|---------------------------|
| B 7g | 4800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7h | 5600/4800 | breast cancer, ductal | ductal | solid, low grade |
| B 7i | 6400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7j | 7200/4800 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 7k | 8000/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7l | 8800/4800 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 7m | 9600/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7n | 10400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7o | 11200/4800 | breast cancer, ductal | ductal | comedo, high grade |
| B 7p | 12000/4800 | breast cancer, ductal | ductal | cribriform, low grade |
| B 8a | 0/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8b | 800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8c | 1600/5600 | breast cancer, ductal | ductal | solid, low grade |
| B 8d | 2400/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8e | 3200/5600 | breast cancer, ductal | ductal | solid, low grade |
| B 8f | 4000/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8g | 4800/5600 | breast cancer, ductal | ductal | solid, low grade |
| B 8h | 5600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8i | 6400/5600 | breast cancer, ductal | ductal | solid, low grade |
| B 8j | 7200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8k | 8000/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 8l | 8800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8m | 9600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8n | 10400/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 8o | 11200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 8p | 12000/5600 | breast cancer, ductal | ductal | comedo, high grade |
| B 9a | 0/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9b | 800/6400 | breast cancer, ductal | ductal | cribriform, low grade |
| B 9c | 1600/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9d | 2400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9e | 3200/6400 | breast cancer, ductal | ductal | solid, low grade |
| B 9f | 4000/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9g | 4800/6400 | breast cancer, ductal | ductal | solid, low grade |
| B 9h | 5600/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9i | 6400/6400 | breast cancer, ductal | ductal | solid, low grade |
| B 9j | 7200/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9k | 8000/6400 | breast cancer, ductal | ductal | solid, low grade |
| B 9l | 8800/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9m | 9600/6400 | breast cancer, ductal | ductal | micropapillary, low grade |
| B 9n | 10400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9o | 11200/6400 | breast cancer, ductal | ductal | comedo, high grade |
| B 9p | 12000/6400 | breast cancer, ductal | ductal | comedo, high grade |
| C 1a | 0/0 | breast cancer, ductal | ductal | cribriform, low grade |
| C 1b | 800/0 | breast cancer, ductal | ductal | comedo, high grade |
| C 1c | 1600/0 | breast cancer, ductal | ductal | comedo, high grade |
| C 1d | 2400/0 | breast cancer, ductal | ductal | comedo, high grade |
| C 1e | 3200/0 | breast cancer, ductal | ductal | solid, low grade |
| C 1f | 4000/0 | breast cancer, ductal | ductal | comedo, high grade |
| C 1g | 4800/0 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 1h | 5600/0 | breast cancer, ductal | ductal | comedo, high grade |
| C 1i | 6400/0 | breast cancer, ductal | ductal | comedo, high grade |
| C 1j | 7200/0 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 2a | 0/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 2b | 800/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 2c | 1600/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 2d | 2400/800 | breast cancer, ductal | ductal | cribriform, low grade |
| C 2e | 3200/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 2f | 4000/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 2g | 4800/800 | breast cancer, ductal | ductal | solid, low grade |
| C 2h | 5600/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 2i | 6400/800 | breast cancer, ductal | ductal | solid, low grade |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
| 2 | 3 | 2 | 1 | 19 | 1 | 0 | 5 |
| 2 | 1 | 2 | 1 | 22 | 4 | 1 | 12 |
| 2 | 2 | 2 | 1 | 45 | 2 | 1 | 16 |
| 2 | 5 | 2 | 2 | 10 | 1 | 0 | 23 |
| 2 | 3 | 3 | 3 | 18 | 1 | 0 | 10 |
| 2 | 3 | 2 | 1 | 60 | 3 | 2 | 10 |
| 2 | 3 | 3 | 3 | 12 | 1 | 1 | 16 |
| 2 | 3 | 2 | 1 | 13 | 1 | 0 | 12 |
| 2 | 1 | 2 | 1 | 24 | 2 | 1 | 22 |
| 2 | 3 | 2 | 1 | 25 | 2 | 0 | 10 |
| 2 | 2 | 3 | 2 | 40 | 2 | 2 | 36 |
| 2 | 3 | 2 | 1 | 25 | 2 | 0 | 16 |
| 2 | 3 | 3 | 3 | 11 | 1 | 0 | 11 |
| 2 | 3 | 3 | 2 | 20 | 1 | 1 | 9 |
| 2 | 3 | 2 | 1 | 11 | 1 | 0 | 19 |
| 2 | 1 | 2 | 1 | 13 | 1 | 0 | 14 |
| 2 | 3 | 2 | 1 | 30 | 4 | 0 | 20 |
| 2 | 3 | 3 | 2 | 24 | 2 | 1 | 14 |
| 2 | 1 | 2 | 1 | 27 | 2 | 1 | 14 |
| 2 | 2 | 2 | 1 | 18 | 1 | 0 | 16 |
| 2 | 2 | 2 | 1 | 24 | 2 | 1 | 10 |
| 2 | 5 | 2 | 2 | 25 | 2 | 1 | 15 |
| 2 | 3 | 3 | 3 | 12 | 1 | 0 | 25 |
| 2 | 3 | 2 | 1 | 22 | 2 | 0 | 16 |
| 2 | 3 | 3 | 3 | 60 | 3 | 2 | 18 |
| 2 | 3 | 2 | 1 | 28 | 2 | 1 | 27 |
| 2 | 1 | 2 | 1 | 25 | 2 | 1 | 19 |
| 2 | 3 | 3 | 3 | 15 | 1 | 1 | 23 |
| 2 | 3 | 3 | 2 | 22 | 2 | 0 | 17 |
| 2 | 3 | 3 | 2 | 30 | 2 | 1 | 23 |
| 2 | 3 | 2 | 1 | 19 | 1 | 1 | 31 |
| 2 | 3 | 3 | 3 | 25 | 2 | 1 | 27 |
| 2 | 3 | 3 | 2 | 76 | 3 | 1 | 28 |
| 2 | 3 | 2 | 1 | 12 | 1 | 0 | 16 |
| 2 | 1 | 2 | 1 | 15 | 1 | 0 | 15 |
| 2 | 3 | 2 | 1 | 30 | 2 | 1 | 25 |
| 2 | 3 | 3 | 2 | 16 | 1 | 0 | 40 |
| 2 | 1 | 2 | 1 | 15 | 1 | 0 | 16 |
| 2 | 2 | 2 | 1 | 27 | 2 | 0 | 33 |
| 2 | 2 | 2 | 1 | 35 | 2 | 1 | 28 |
| 2 | 5 | 2 | 2 | 17 | 1 | 0 | 33 |
| 2 | 3 | 3 | 3 | 13 | 1 | 1 | 12 |
| | 3 | 2 | 1 | | | | |
| 2 | 3 | 3 | 3 | 15 | 4 | 1 | 8 |
| 2 | 3 | 2 | 1 | 18 | 1 | 1 | 27 |
| 2 | 1 | 2 | 1 | 24 | 2 | | 0 |
| 2 | 3 | 2 | 1 | 40 | 2 | 1 | 22 |
| 2 | 2 | 3 | 2 | 24 | 2 | 0 | 26 |
| 2 | 3 | 2 | 1 | 22 | 2 | 1 | 19 |
| 2 | 3 | 2 | 1 | 18 | 1 | 1 | 10 |
| 2 | 3 | 2 | 1 | 15 | 1 | 1 | 16 |
| 2 | 3 | 2 | 1 | 20 | 1 | 1 | 31 |
| 2 | 3 | 2 | 1 | 40 | 2 | 2 | 16 |
| 2 | 3 | 3 | 1 | 78 | 4 | 1 | 12 |
| 2 | 3 | 3 | 3 | 29 | 2 | 1 | 13 |
| 2 | 3 | 3 | 3 | 30 | 2 | 0 | 15 |
| 2 | 2 | 3 | 1 | | 3 | 1 | 16 |
| 2 | 3 | 3 | 2 | 8 | 1 | 0 | 22 |
| 2 | 3 | 2 | 2 | 30 | 2 | 1 | 11 |
| 3 | 2 | 3 | 1 | 28 | 2 | 0 | 21 |
| 3 | 2 | 2 | 1 | 19 | 1 | 2 | 18 |
| 3 | 2 | 1 | 1 | 22 | 2 | 1 | 12 |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | Identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 0 | 52 | 52 | 1103 | Pos | Pos | Pos |
| 1 | 55 | 55 | 1104 | Neg | Pos | Pos |
| 7 | 39 | 41 | 1105 | Neg | Neg | Pos |
| 0 | 48 | 49 | 1106 | Neg | Neg | Neg |
| 0 | 51 | 52 | 1107 | Neg | Pos | Pos |
| 6 | 54 | 55 | 1108 | Pos | Pos | Pos |
| 16 | 40 | 42 | 1109 | Pos | Pos | Pos |
| 0 | 48 | 49 | 1110 | Neg | Pos | Neg |
| 3 | 51 | 52 | 1111 | Pos | Pos | Pos |
| 0 | 55 | 55 | 1112 | Pos | Pos | Pos |
| 34 | 40 | 42 | 1113 | Pos | Pos | Pos |
| 0 | 48 | 49 | 1114 | Pos | Pos | Pos |
| 0 | 52 | 53 | 1115 | Pos | Pos | Pos |
| 7 | 55 | 55 | 1116 | Pos | Pos | Pos |
| 0 | 41 | 43 | 1117 | Pos | Pos | Neg |
| 0 | 49 | 49 | 1118 | Pos | Pos | Neg |
| 0 | 52 | 53 | 1119 | Pos | Pos | Neg |
| 1 | 55 | 56 | 1120 | Pos | Pos | Neg |
| 8 | 41 | 57 | 1121 | Neg | Neg | Neg |
| 0 | 49 | 58 | 1122 | Neg | Neg | Neg |
| 2 | 52 | 84 | 1123 | Neg | Pos | Neg |
| 1 | 55 | 60 | 1124 | Pos | Pos | Neg |
| 0 | 42 | 41 | 1125 | Pos | Pos | Neg |
| 0 | 49 | 45 | 1126 | Pos | Pos | Neg |
| 7 | 52 | 48 | 1127 | Pos | Neg | Pos |
| 6 | 55 | 64 | 1128 | Pos | Neg | Neg |
| 5 | 42 | 39 | 1129 | Pos | Neg | Neg |
| 3 | 49 | 48 | 1130 | Neg | Pos | Neg |
| 0 | 53 | 46 | 1131 | Pos | Neg | Neg |
| 2 | 55 | 71 | 1132 | Pos | Pos | Neg |
| 1 | 43 | 46 | 1133 | Pos | Pos | Neg |
| 2 | 49 | 77 | 1134 | Pos | Pos | Pos |
| 4 | 53 | 47 | 1135 | Pos | Pos | Pos |
| 0 | 56 | 47 | 1136 | Pos | Pos | Neg |
| 0 | 45 | 64 | 1137 | Neg | Pos | Neg |
| 1 | 49 | 57 | 1138 | Neg | Neg | Neg |
| 0 | 54 | 48 | 1139 | Neg | Neg | Pos |
| 0 | 56 | 57 | 1140 | Neg | Neg | Pos |
| 0 | 46 | 55 | 1141 | Pos | Neg | Pos |
| 6 | 49 | 60 | 1142 | Pos | Pos | Neg |
| 0 | 54 | 48 | 1143 | Neg | Pos | Neg |
| 2 | 46 | 64 | 1144 | Neg | Neg | Pos |
| | | 57 | | Neg | Neg | Pos |
| 5 | 50 | 48 | 1145 | Neg | Neg | Pos |
| 2 | 54 | 57 | 1146 | Neg | Neg | Pos |
| | 40 | 64 | 1147 | Neg | Neg | Neg |
| 5 | 48 | 57 | 1148 | Neg | Neg | Neg |
| 0 | 52 | 48 | 1149 | Neg | Neg | Pos |
| 3 | 55 | 57 | 1150 | Pos | Pos | Pos |
| 1 | 46 | 55 | 1151 | Pos | Pos | Pos |
| 9 | 50 | 60 | 1152 | Pos | Pos | Pos |
| 1 | 54 | 48 | 1153 | Neg | Pos | Neg |
| 16 | 46 | 64 | 1154 | Neg | Neg | Pos |
| 8 | 50 | 57 | 1155 | Pos | Pos | Neg |
| 2 | 54 | 48 | 1156 | Pos | Pos | Neg |
| 0 | 37 | 57 | 1157 | Pos | Pos | Neg |
| 7 | 47 | 55 | 1158 | Pos | Neg | Neg |
| 0 | 51 | 60 | 1159 | Pos | Pos | Neg |
| 7 | 54 | 48 | 1160 | Pos | Pos | Neg |
| 0 | 46 | 7 | 1161 | Pos | Pos | Pos |
| 1 | 53 | 17 | 1162 | Pos | Pos | Pos |
| 7 | 38 | 2 | 1163 | Pos | Pos | Neg |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| p53 | ER | PR | p21 | p57 | mdm2 | BRCA 1 | BRCA 2 |
|-----|-----|-----|-----|-----|------|--------|--------|
| Pos | Pos | Pos | Pos | Neg | Neg | Neg | Neg |
| Pos | Pos | Pos | Pos | Neg | Neg | Neg | Neg |
| Neg | Pos | Neg | Neg | Pos | Pos | Neg | Pos |
| Pos | Pos | Neg | Pos | Neg | Neg | Neg | Neg |
| Neg | Pos | Neg | Pos | Neg | Neg | Neg | Neg |
| Neg | Neg | Neg | Pos | Neg | Neg | Neg | Neg |
| Neg | Pos | Pos | Pos | Pos | Pos | Neg | Neg |
| Neg | Pos | Pos | Pos | Pos | Pos | Neg | Pos |
| Pos | Neg | Pos | Neg | Pos | Neg | Neg | Neg |
| Pos | Neg | Neg | Pos | Pos | Pos | Neg | Neg |
| Neg | Pos | Pos | Pos | Pos | Pos | Neg | Neg |
| Neg | Pos | Pos | Neg | Pos | Pos | Neg | Neg |
| Neg | Pos | Pos | Neg | Neg | Pos | Neg | Neg |
| Pos | Neg | Neg | Neg | Pos | Pos | Neg | Neg |
| Pos | Neg | Pos | Neg | Pos | Neg | Neg | Neg |
| Pos | Neg | Pos | Neg | Pos | Neg | Neg | Neg |
| Neg | Neg | Neg | Neg | Neg | Neg | Neg | Neg |
| Pos | Pos | Neg | Neg | Neg | Neg | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Neg | Neg | Pos | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Neg | Neg | Pos | Neg | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Pos | Pos | Neg | Neg |
| Neg | Neg | Neg | Pos | Neg | Neg | Neg | Neg |
| Neg | Neg | Pos | Neg | Pos | Pos | Neg | Neg |
| Neg | Neg | Pos | Neg | Pos | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Neg | Pos | Neg | Neg |
| Pos | Pos | Neg | Pos | Neg | Neg | Neg | Neg |
| Neg | Neg | Pos | Pos | Neg | Pos | Neg | Neg |
| Neg | Neg | Pos | Pos | Neg | Pos | Neg | Neg |
| Neg | Neg | Pos | Pos | Neg | Neg | Neg | Neg |
| Neg | Neg | Pos | Neg | Neg | Pos | Neg | Neg |
| Neg | Neg | Neg | Neg | Neg | Neg | Neg | Neg |
| Pos | Pos | Pos | Neg | Neg | Pos | Neg | Neg |
| Pos | Pos | Pos | Neg | Neg | Pos | Neg | Neg |
| Pos | Neg | Neg | Pos | Pos | Pos | Neg | Neg |
| Pos | Neg | Pos | Neg | Neg | Neg | Neg | Neg |
| Pos | Neg | Neg | Neg | Neg | Neg | Neg | Neg |
| Neg | Neg | Pos | Neg | Neg | Neg | Neg | Neg |
| Pos | Pos | Pos | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Pos | Pos | Pos | Pos | Neg | Neg |
| Neg | Pos | Neg | Pos | Neg | Neg | Neg | Neg |
| Neg | Neg | Pos | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Pos | Pos | Pos | Pos | Neg | Neg |
| Pos | Pos | Pos | Pos | Pos | Pos | Neg | Neg |
| Neg | Neg | Pos | Pos | Neg | Neg | Neg | Neg |
| Neg | Neg | Pos | Pos | Pos | Pos | Neg | Neg |

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Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|-----------------|---------------------------|
| C 2j | 7200/800 | breast cancer, ductal | ductal | comedo, high grade |
| C 3a | 0/1600 | breast cancer, ductal | ductal | solid, low grade |
| C 3b | 800/1600 | breast cancer, ductal | ductal | comedo, high grade |
| C 3c | 1600/1600 | breast cancer, ductal | ductal | solid, low grade |
| C 3d | 2400/1600 | breast cancer, ductal | ductal | solid, low grade |
| C 3e | 3200/1600 | breast cancer, ductal | ductal | comedo, high grade |
| C 3f | 4000/1600 | breast cancer, ductal | ductal | solid, low grade |
| C 3g | 4800/1600 | breast cancer, ductal | ductal | comedo, high grade |
| C 3h | 5600/1600 | breast cancer, ductal | ductal | solid, low grade |
| C 3i | 6400/1600 | breast cancer, ductal | ductal | comedo, high grade |
| C 3j | 7200/1600 | breast cancer, ductal | ductal | solid, low grade |
| C 4a | 0/2400 | breast cancer, ductal | ductal | comedo, high grade |
| C 4b | 800/2400 | breast cancer, ductal | ductal | comedo, high grade |
| C 4c | 1600/2400 | breast cancer, ductal | ductal | solid, low grade |
| C 4d | 2400/2400 | breast cancer, ductal | ductal | comedo, high grade |
| C 4e | 3200/2400 | breast cancer, ductal | ductal | solid, low grade |
| C 4f | 4000/2400 | breast cancer, ductal | ductal | comedo, high grade |
| C 4g | 4800/2400 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 4h | 5600/2400 | breast cancer, ductal | ductal | comedo, high grade |
| C 4i | 6400/2400 | breast cancer, ductal | ductal | solid, low grade |
| C 4j | 7200/2400 | breast cancer, ductal | ductal | comedo, high grade |
| C 5a | 0/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 5b | 800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| C 5c | 1600/3200 | breast cancer, ductal | ductal | comedo, high grade |
| C 5d | 2400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| C 5e | 3200/3200 | breast cancer, ductal | ductal | cribriform, low grade |
| C 5f | 4000/3200 | breast cancer, ductal | ductal | comedo, high grade |
| C 5g | 4800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| C 5h | 5600/3200 | breast cancer, ductal | ductal | solid, low grade |
| C 5i | 6400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| C 5j | 7200/3200 | breast cancer, ductal | ductal | solid, low grade |
| C 6a | 0/4000 | breast cancer, ductal | ductal | comedo, high grade |
| C 6b | 800/4000 | breast cancer, ductal | ductal | solid, low grade |
| C 6c | 1600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| C 6d | 2400/4000 | breast cancer, ductal | ductal | solid, low grade |
| C 6e | 3200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| C 6f | 4000/4000 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 6g | 4800/4000 | breast cancer, ductal | ductal | comedo, high grade |
| C 6h | 5600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| C 6i | 6400/4000 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 6j | 7200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| C 7a | 0/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7b | 800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7c | 1600/4800 | breast cancer, ductal | ductal | cribriform, low grade |
| C 7d | 2400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7e | 3200/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7f | 4000/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7g | 4800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7h | 5600/4800 | breast cancer, ductal | ductal | solid, low grade |
| C 7i | 6400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| C 7j | 7200/4800 | breast cancer, ductal | ductal | solid, low grade |
| C 8a | 0/5600 | breast cancer, ductal | ductal | comedo, high grade |
| C 8b | 800/5600 | breast cancer, ductal | ductal | solid, low grade |
| C 8c | 1600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| C 8d | 2400/5600 | breast cancer, ductal | ductal | solid, low grade |
| C 8e | 3200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| C 8f | 4000/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 8g | 4800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| C 8h | 5600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| C 8i | 6400/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| C 8j | 7200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| C 9a | 0/6400 | breast cancer, ductal | ductal | solid, low grade |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
| 3 | 2 | 2 | 1 | 15 | 1 | 1 | 26 |
| 3 | 3 | 2 | 1 | 17 | 1 | 0 | 7 |
| 3 | 3 | 3 | 3 | 30 | 2 | | 0 |
| 3 | 3 | 3 | 2 | 35 | 2 | 1 | 21 |
| 3 | 2 | 1 | 1 | 42 | 2 | 1 | 26 |
| 3 | 3 | 3 | 1 | 20 | 1 | 1 | 20 |
| 3 | 3 | 3 | 3 | 17 | 1 | 0 | 12 |
| 3 | 5 | 2 | 2 | 38 | 2 | 0 | 16 |
| 3 | 3 | 2 | 1 | 17 | 1 | 1 | 31 |
| 3 | 1 | 2 | 1 | 30 | 2 | | 0 |
| 3 | 3 | 2 | 1 | 23 | 2 | 0 | 28 |
| 3 | 3 | 3 | 3 | 17 | 1 | 1 | 21 |
| 3 | 3 | 3 | 2 | 25 | 2 | 1 | 19 |
| 3 | 2 | 2 | 1 | 13 | 1 | 0 | 27 |
| 3 | 2 | 2 | 1 | 24 | 2 | 2 | 13 |
| 3 | 2 | 3 | 1 | 23 | 2 | 1 | 20 |
| 3 | 2 | 3 | 1 | 21 | 2 | 0 | 20 |
| 3 | 3 | 3 | 2 | 38 | 2 | 1 | 19 |
| 3 | 1 | 2 | 1 | 80 | 4 | 2 | 12 |
| 3 | 3 | 3 | 1 | 21 | 2 | 0 | 20 |
| 3 | 3 | 3 | 1 | 40 | 4 | 1 | 14 |
| 3 | 3 | 2 | 3 | 36 | 4 | | 0 |
| 3 | 3 | 2 | 3 | 40 | 2 | 1 | 24 |
| 3 | 3 | 3 | 3 | 22 | 2 | 0 | 20 |
| 3 | 3 | 3 | 2 | 22 | 2 | 0 | 13 |
| 3 | 3 | 3 | 2 | 16 | 1 | 0 | 16 |
| 3 | 3 | 2 | 1 | | 2 | 0 | 18 |
| 3 | 3 | 3 | 3 | 20 | 1 | 1 | 15 |
| 3 | 3 | 3 | 2 | 22 | 2 | 1 | 11 |
| 3 | 2 | 2 | 1 | | 2 | 2 | 15 |
| 3 | 2 | 2 | 1 | 21 | 2 | 1 | 11 |
| 3 | 5 | 2 | 2 | 60 | 3 | 1 | 19 |
| 3 | 3 | 3 | 3 | 60 | 4 | | 0 |
| 3 | 3 | 2 | 1 | 23 | 2 | 1 | 12 |
| 3 | 3 | 3 | 3 | 40 | 2 | 1 | 29 |
| 3 | 3 | 2 | 1 | 13 | 1 | 0 | 30 |
| 3 | 1 | 2 | 1 | | 4 | | 0 |
| 3 | 3 | 3 | 3 | 22 | 2 | 0 | 9 |
| 3 | 3 | 3 | 2 | 35 | 2 | 1 | 8 |
| 3 | 3 | 3 | 2 | | 2 | 0 | 12 |
| 3 | 3 | 2 | 1 | 7 | 1 | 0 | 11 |
| 3 | 3 | 3 | 3 | | 1 | 1 | 25 |
| 3 | 3 | 3 | 2 | 14 | 1 | 0 | 12 |
| 3 | 3 | 2 | 1 | 11 | 1 | 1 | 9 |
| 3 | 1 | 2 | 1 | 35 | 2 | 1 | 17 |
| 3 | 3 | 2 | 1 | 24 | 2 | 0 | 24 |
| 3 | 3 | 3 | 2 | 52 | 3 | 0 | 28 |
| 3 | 1 | 2 | 1 | 18 | 1 | 1 | 22 |
| 3 | 2 | 2 | 1 | 14 | 1 | 0 | 27 |
| 3 | 2 | 2 | 1 | 34 | 2 | 0 | 17 |
| 3 | 5 | 2 | 2 | 33 | 2 | 1 | 18 |
| 3 | 3 | 3 | 3 | 28 | 2 | 1 | 34 |
| 3 | 3 | 2 | 1 | 23 | 2 | 0 | 14 |
| 3 | 3 | 3 | 3 | 35 | 2 | 0 | 6 |
| 3 | 3 | 2 | 1 | 35 | 2 | 1 | 24 |
| 3 | 1 | 2 | 1 | 37 | 2 | 1 | 20 |
| 3 | 3 | 2 | 1 | 20 | 1 | 1 | 21 |
| 2 | 2 | 3 | 2 | 15 | 4 | 1 | 8 |
| 2 | 3 | 2 | 1 | 18 | 1 | 1 | 27 |
| 2 | 3 | 2 | 1 | 24 | 2 | | 0 |
| 2 | 3 | 2 | | 40 | 2 | 1 | 22 |
| 2 | 3 | 2 | 1 | 24 | 2 | 0 | 26 |

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Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 5 | 50 | 10 | 1164 | Pos | Pos | Neg |
| 0 | 46 | 10 | 1165 | Pos | Neg | Neg |
| | 48 | 17 | 1166 | Pos | Neg | Pos |
| 8 | 37 | 19 | 1167 | Pos | Neg | Pos |
| 6 | 44 | 21 | 1168 | Pos | Neg | Pos |
| 3 | 52 | 26 | 1169 | Pos | Pos | Neg |
| 0 | 49 | 10 | 1170 | Pos | Pos | Neg |
| 0 | 38 | 20 | 1171 | Pos | Neg | Pos |
| 7 | 45 | 15 | 1172 | Pos | Neg | Pos |
| | 52 | 14 | 1173 | Pos | Pos | Pos |
| 0 | 50 | 0 | 1174 | Pos | Pos | Pos |
| 1 | 38 | 10 | 1175 | Pos | Pos | Pos |
| 4 | 45 | 24 | 1176 | Pos | Pos | Pos |
| 0 | 53 | 12 | 1177 | Pos | Neg | Neg |
| 11 | 46 | 29 | 1178 | Pos | Neg | Neg |
| 1 | 54 | 23 | 1179 | Pos | Neg | Pos |
| 0 | 40 | 10 | 1180 | Pos | Pos | Pos |
| 2 | 50 | 7 | 1181 | Pos | Pos | Pos |
| 4 | 46 | 17 | 1182 | Pos | Pos | Pos |
| 0 | 40 | 2 | 1183 | Pos | Pos | Neg |
| 7 | 50 | 10 | 1184 | Pos | Pos | Neg |
| | 46 | 10 | 1185 | Neg | Pos | Neg |
| 1 | 41 | 17 | 1186 | Neg | Neg | Pos |
| 0 | 51 | 19 | 1187 | Neg | Pos | Neg |
| 0 | 47 | 21 | 1188 | Neg | Pos | Pos |
| 0 | 42 | 26 | 1189 | Neg | Pos | Pos |
| 0 | 51 | 10 | 1190 | Neg | Pos | Pos |
| 1 | 47 | 20 | 1191 | Neg | Pos | Pos |
| 4 | 42 | 15 | 1192 | Pos | Pos | Pos |
| 8 | 51 | 14 | 1193 | Pos | Pos | Pos |
| 1 | 47 | 0 | 1194 | Pos | Pos | Pos |
| 15 | 42 | 10 | 1195 | Neg | Pos | Pos |
| | 51 | 24 | 1196 | Neg | Neg | Pos |
| 1 | 47 | 12 | 1197 | Neg | Neg | Neg |
| 14 | 33 | 29 | 1198 | Neg | Pos | Pos |
| 0 | 43 | 10 | 1199 | Neg | Pos | Pos |
| | 51 | 17 | 1200 | Neg | Pos | Pos |
| 0 | 48 | 19 | 1201 | Neg | Pos | Neg |
| 4 | 35 | 1 | 1202 | Neg | Pos | Pos |
| 0 | 43 | 26 | 1203 | Neg | Pos | Neg |
| 0 | 52 | 0 | 1204 | Pos | Pos | Neg |
| 1 | 46 | 20 | 1205 | Pos | Pos | Neg |
| 0 | 54 | 15 | 1206 | Pos | Pos | Neg |
| 1 | 39 | 14 | 1207 | Neg | Pos | Pos |
| 2 | 50 | 0 | 1208 | Pos | Pos | Pos |
| 0 | 48 | 10 | 1209 | Pos | Pos | Pos |
| 0 | 37 | 24 | 1210 | Pos | Pos | Pos |
| 3 | 43 | 0 | 1211 | Pos | Pos | Pos |
| 0 | 52 | 29 | 1212 | Neg | Neg | Neg |
| 0 | 48 | 23 | 1213 | Neg | Neg | Neg |
| 10 | 37 | 10 | 1214 | Neg | Neg | Pos |
| 1 | 44 | 9 | 1215 | Pos | Pos | Pos |
| 0 | 52 | 17 | 1216 | Pos | Pos | Pos |
| 0 | 48 | 2 | 1217 | Pos | Pos | Pos |
| 11 | 37 | 10 | 1218 | Pos | Pos | Neg |
| 2 | 44 | 60 | 1219 | Neg | Pos | Neg |
| 14 | 52 | 48 | 1220 | Neg | Pos | Neg |
| 5 | 50 | 7 | | Neg | Neg | Pos |
| 2 | 54 | 17 | | Pos | Pos | Neg |
| | 40 | 2 | | Pos | Pos | Pos |
| 5 | 48 | 10 | | Pos | Pos | Pos |
| 0 | 52 | 10 | | Pos | Pos | Pos |

Clinomics Breast Cancer Array Data for Known Molecular Markers

[illegible]

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|-----------------|---------------------------|
| C 9b | 800/6400 | breast cancer, ductal | ductal | comedo, high grade |
| C 9c | 1600/6400 | breast cancer, ductal | ductal | solid, low grade |
| C 9d | 2400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| C 9e | 3200/6400 | breast cancer, ductal | ductal | solid, low grade |
| C 9f | 4000/6400 | breast cancer, ductal | ductal | comedo, high grade |
| C 9g | 4800/6400 | breast cancer, ductal | ductal | solid, low grade |
| C 9h | 5600/6400 | breast cancer, ductal | ductal | comedo, high grade |
| C 9i | 6400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| C 9j | 7200/6400 | breast cancer, ductal | ductal | solid, low grade |
| D 1a | 0/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 1b | 800/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 1c | 1600/0 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 1d | 2400/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 1e | 3200/0 | breast cancer, ductal | ductal | solid, low grade |
| D 1f | 4000/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 1g | 4800/0 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 1h | 5600/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 1i | 6400/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 1j | 7200/0 | breast cancer, ductal | ductal | comedo, high grade |
| D 2a | 0/800 | breast cancer, ductal | ductal | cribriform, low grade |
| D 2b | 800/800 | breast cancer, ductal | ductal | comedo, high grade |
| D 2c | 1600/800 | breast cancer, ductal | ductal | comedo, high grade |
| D 2d | 2400/800 | breast cancer, ductal | ductal | solid, low grade |
| D 2e | 3200/800 | breast cancer, ductal | ductal | comedo, high grade |
| D 2f | 4000/800 | breast cancer, ductal | ductal | solid, low grade |
| D 2g | 4800/800 | breast cancer, ductal | ductal | comedo, high grade |
| D 2h | 5600/800 | breast cancer, ductal | ductal | solid, low grade |
| D 2i | 6400/800 | breast cancer, ductal | ductal | comedo, high grade |
| D 2j | 7200/800 | breast cancer, ductal | ductal | solid, low grade |
| D 3a | 0/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 3b | 800/1600 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 3c | 1600/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 3d | 2400/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 3e | 3200/1600 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 3f | 4000/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 3g | 4800/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 3h | 5600/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 3i | 6400/1600 | breast cancer, ductal | ductal | cribriform, low grade |
| D 3j | 7200/1600 | breast cancer, ductal | ductal | comedo, high grade |
| D 4a | 0/2400 | breast cancer, ductal | ductal | comedo, high grade |
| D 4b | 800/2400 | breast cancer, ductal | ductal | comedo, high grade |
| D 4c | 1600/2400 | breast cancer, ductal | ductal | comedo, high grade |
| D 4d | 2400/2400 | breast cancer, ductal | ductal | solid, low grade |
| D 4e | 3200/2400 | breast cancer, ductal | ductal | comedo, high grade |
| D 4f | 4000/2400 | breast cancer, ductal | ductal | solid, low grade |
| D 4g | 4800/2400 | breast cancer, ductal | ductal | comedo, high grade |
| D 4h | 5600/2400 | breast cancer, ductal | ductal | solid, low grade |
| D 4i | 6400/2400 | breast cancer, ductal | ductal | comedo, high grade |
| D 4j | 7200/2400 | breast cancer, ductal | ductal | solid, low grade |
| D 5a | 0/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5b | 800/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 5c | 1600/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5d | 2400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5e | 3200/3200 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 5f | 4000/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5g | 4800/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5h | 5600/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5i | 6400/3200 | breast cancer, ductal | ductal | comedo, high grade |
| D 5j | 7200/3200 | breast cancer, ductal | ductal | solid, low grade |
| D 6a | 0/4000 | breast cancer, ductal | ductal | comedo, high grade |
| D 6b | 800/4000 | breast cancer, ductal | ductal | comedo, high grade |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
| 2 | 3 | 2 | 1 | 22 | 2 | 1 | 19 |
| 2 | 3 | 3 | 1 | 18 | 1 | 1 | 10 |
| 2 | 3 | 3 | 3 | 15 | 4 | 1 | 8 |
| 2 | 3 | 3 | 3 | 18 | 1 | 1 | 27 |
| 2 | 2 | 3 | 1 | 24 | 2 | | 0 |
| 2 | 3 | 3 | 2 | 40 | 2 | 1 | 22 |
| 2 | 3 | 2 | 2 | 24 | 2 | 0 | 26 |
| 2 | 2 | 3 | 1 | 22 | 2 | 1 | 19 |
| 2 | 2 | 2 | 1 | 18 | 1 | 1 | 10 |
| 2 | 2 | 1 | 1 | 15 | 1 | 1 | 16 |
| 2 | 2 | 2 | 1 | 20 | 1 | 1 | 31 |
| 2 | 3 | 2 | 1 | 40 | 2 | 2 | 16 |
| 2 | 3 | 3 | 3 | 78 | 4 | 1 | 12 |
| 2 | 3 | 3 | 2 | 29 | 2 | 1 | 13 |
| 2 | 2 | 1 | 1 | 24 | 2 | 0 | 26 |
| 2 | 3 | 3 | 1 | 22 | 2 | 1 | 19 |
| 2 | 3 | 3 | 3 | 18 | 1 | 1 | 10 |
| 2 | 5 | 2 | 2 | 15 | 1 | 1 | 16 |
| 2 | 3 | 2 | 1 | 20 | 1 | 1 | 31 |
| 2 | 1 | 2 | 1 | 40 | 2 | 2 | 16 |
| 2 | 3 | 2 | 1 | 78 | 4 | 1 | 12 |
| 2 | 3 | 3 | 3 | 29 | 2 | 1 | 13 |
| 2 | 3 | 3 | 2 | 30 | 2 | 0 | 15 |
| 2 | 2 | 2 | 1 | | 3 | 1 | 16 |
| 2 | 2 | 2 | 1 | 8 | 1 | 0 | 22 |
| 2 | 2 | 3 | 1 | 30 | 2 | 1 | 11 |
| 3 | 2 | 3 | 1 | 28 | 2 | 0 | 21 |
| 3 | 3 | 3 | 2 | 19 | 1 | 2 | 18 |
| 3 | 1 | 2 | 1 | 22 | 2 | 1 | 12 |
| 3 | 3 | 3 | 1 | 15 | 1 | 1 | 26 |
| 3 | 3 | 3 | 1 | 17 | 1 | 0 | 7 |
| 3 | 3 | 3 | 3 | 30 | 2 | | 0 |
| 3 | 3 | 2 | 3 | 35 | 2 | 1 | 21 |
| 3 | 3 | 3 | 3 | 42 | 2 | 1 | 26 |
| 3 | 3 | 3 | 2 | 20 | 1 | 1 | 20 |
| 3 | 3 | 3 | 2 | 17 | 1 | 0 | 12 |
| 3 | 3 | 2 | 1 | 38 | 2 | 0 | 16 |
| 3 | 3 | 3 | 3 | 17 | 1 | 1 | 31 |
| 3 | 3 | 3 | 2 | 30 | 2 | | 0 |
| 3 | 2 | 2 | 1 | 23 | 2 | 0 | 28 |
| 3 | 2 | 2 | 1 | 17 | 1 | 1 | 21 |
| 3 | 5 | 2 | 2 | 25 | 2 | 1 | 19 |
| 3 | 3 | 3 | 3 | 13 | 1 | 0 | 27 |
| 3 | 3 | 2 | 1 | 24 | 2 | 2 | 13 |
| 3 | 3 | 3 | 3 | 23 | 2 | 1 | 20 |
| 3 | 3 | 2 | 1 | 21 | 2 | 0 | 20 |
| 3 | 1 | 2 | 1 | 38 | 2 | 1 | 19 |
| 3 | 3 | 3 | 3 | 80 | 4 | 2 | 12 |
| 3 | 3 | 3 | 2 | 21 | 2 | 0 | 20 |
| 3 | 3 | 3 | 2 | 40 | 4 | 1 | 14 |
| 3 | 3 | 2 | 1 | 36 | 4 | | 0 |
| 3 | 3 | 3 | 3 | 40 | 2 | 1 | 24 |
| 3 | 3 | 3 | 2 | 22 | 2 | 0 | 20 |
| 3 | 3 | 2 | 1 | 22 | 2 | 0 | 13 |
| 3 | 1 | 2 | 1 | 16 | 1 | 0 | 16 |
| 3 | 3 | 2 | 1 | | 2 | 0 | 18 |
| 3 | 3 | 3 | 2 | 20 | 1 | 1 | 15 |
| 3 | 1 | 2 | 1 | 22 | 2 | 1 | 11 |
| 3 | 2 | 2 | 1 | | 2 | 2 | 15 |
| 3 | 2 | 2 | 1 | 21 | 2 | 1 | 11 |
| 3 | 5 | 2 | 2 | 60 | 3 | 1 | 19 |
| 3 | 3 | 3 | 3 | 60 | 4 | | 0 |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 3 | 55 | 8 | | Pos | Pos | Pos |
| 1 | 46 | 19 | | Pos | Pos | Pos |
| 5 | 50 | 5 | | Pos | Neg | Pos |
| 2 | 54 | 26 | | Pos | Neg | Neg |
| | 40 | 10 | | Pos | Neg | Neg |
| 5 | 48 | 20 | | Pos | Neg | Neg |
| 0 | 52 | 15 | | Pos | Pos | Neg |
| 3 | 55 | 14 | | Pos | Pos | Pos |
| 1 | 46 | 0 | | Pos | Neg | Pos |
| 9 | 50 | 10 | | Pos | Neg | Neg |
| 1 | 54 | 24 | 1145 | Pos | Neg | Neg |
| 16 | 46 | 12 | 1146 | Pos | Neg | Neg |
| 8 | 50 | 29 | 1147 | Neg | Neg | Neg |
| 2 | 54 | 23 | 1148 | Neg | Neg | Neg |
| 0 | 52 | 10 | 1149 | Neg | Neg | Neg |
| 3 | 55 | 7 | 1150 | Neg | Neg | Neg |
| 1 | 46 | 17 | 1151 | Pos | Pos | Pos |
| 9 | 50 | 10 | 1152 | Pos | Pos | Pos |
| 1 | 54 | 10 | 1153 | Neg | Pos | Pos |
| 16 | 46 | 8 | 1154 | Neg | Neg | Pos |
| 8 | 50 | 19 | 1155 | Neg | Neg | Neg |
| 2 | 54 | 5 | 1156 | Neg | Pos | Pos |
| 0 | 37 | 26 | 1157 | Neg | Pos | Pos |
| 7 | 47 | 10 | 1158 | Neg | Pos | Pos |
| 0 | 51 | 20 | 1159 | Neg | Pos | Neg |
| 7 | 54 | 15 | 1160 | Neg | Pos | Pos |
| 0 | 46 | 14 | 1161 | | | |
| 1 | 53 | 0 | 1162 | Pos | Neg | Pos |
| 7 | 38 | 10 | 1163 | Pos | Neg | Neg |
| 5 | 50 | 24 | 1164 | Pos | Neg | Neg |
| 0 | 46 | 12 | 1165 | Pos | Neg | Neg |
| | 48 | 29 | 1166 | Neg | Neg | Neg |
| 8 | 37 | 26 | 1167 | Neg | Neg | Neg |
| 6 | 44 | 0 | 1168 | Neg | Neg | Neg |
| 3 | 52 | 20 | 1169 | Neg | Neg | Neg |
| 0 | 49 | 15 | 1170 | Pos | Pos | Pos |
| 0 | 38 | 14 | 1171 | Pos | Pos | Pos |
| 7 | 45 | 0 | 1172 | Neg | Pos | Pos |
| | 52 | 10 | 1173 | Neg | Neg | Pos |
| 0 | 50 | 24 | 1174 | Neg | Neg | Neg |
| 1 | 38 | 0 | 1175 | Neg | Pos | Pos |
| 4 | 45 | 29 | 1176 | Neg | Pos | Pos |
| 0 | 53 | 23 | 1177 | Neg | Pos | Pos |
| 11 | 46 | 10 | 1178 | Neg | Pos | Neg |
| 1 | 54 | 9 | 1179 | Neg | Pos | Pos |
| 0 | 40 | 17 | 1180 | Neg | Pos | Neg |
| 2 | 50 | 2 | 1181 | Pos | Pos | Neg |
| 4 | 46 | 10 | 1182 | Pos | Pos | Neg |
| 0 | 40 | 60 | 1183 | Pos | Pos | Neg |
| 7 | 50 | 48 | 1184 | Neg | Pos | Pos |
| | 46 | 7 | 1185 | Pos | Pos | Pos |
| 1 | 41 | 17 | 1186 | Pos | Pos | Pos |
| 0 | 51 | 2 | 1187 | Pos | Pos | Pos |
| 0 | 47 | 10 | 1188 | Pos | Pos | Pos |
| 0 | 42 | 10 | 1189 | Neg | Neg | Neg |
| 0 | 51 | 8 | 1190 | Neg | Neg | Neg |
| 1 | 47 | 19 | 1191 | Neg | Neg | Pos |
| 4 | 42 | 5 | 1192 | Pos | Pos | Pos |
| 8 | 51 | 26 | 1193 | Pos | Pos | Pos |
| 1 | 47 | 10 | 1194 | Pos | Pos | Pos |
| 15 | 42 | 20 | 1195 | Pos | Pos | Neg |
| | 51 | 15 | 1196 | Neg | Pos | Neg |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|-----------------------|----------------------|---------------------------|
| D 6c | 1600/4000 | breast cancer, ductal | ductal | solid, low grade |
| D 6d | 2400/4000 | breast cancer, ductal | ductal | comedo, high grade |
| D 6e | 3200/4000 | breast cancer, ductal | ductal | solid, low grade |
| D 6f | 4000/4000 | breast cancer, ductal | ductal | comedo, high grade |
| D 6g | 4800/4000 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 6h | 5600/4000 | breast cancer, ductal | ductal | comedo, high grade |
| D 6i | 6400/4000 | breast cancer, ductal | ductal | solid, low grade |
| D 6j | 7200/4000 | breast cancer, ductal | ductal | comedo, high grade |
| D 7a | 0/4800 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 7b | 800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| D 7c | 1600/4800 | breast cancer, ductal | ductal | comedo, high grade |
| D 7d | 2400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| D 7e | 3200/4800 | breast cancer, ductal | ductal | cribriform, low grade |
| D 7f | 4000/4800 | breast cancer, ductal | ductal | comedo, high grade |
| D 7g | 4800/4800 | breast cancer, ductal | ductal | comedo, high grade |
| D 7h | 5600/4800 | breast cancer, ductal | ductal | solid, low grade |
| D 7i | 6400/4800 | breast cancer, ductal | ductal | comedo, high grade |
| D 7j | 7200/4800 | breast cancer, ductal | ductal | solid, low grade |
| D 8a | 0/5600 | breast cancer, ductal | ductal | comedo, high grade |
| D 8b | 800/5600 | breast cancer, ductal | ductal | solid, low grade |
| D 8c | 1600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| D 8d | 2400/5600 | breast cancer, ductal | ductal | solid, low grade |
| D 8e | 3200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| D 8f | 4000/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 8g | 4800/5600 | breast cancer, ductal | ductal | comedo, high grade |
| D 8h | 5600/5600 | breast cancer, ductal | ductal | comedo, high grade |
| D 8i | 6400/5600 | breast cancer, ductal | ductal | micropapillary, low grade |
| D 8j | 7200/5600 | breast cancer, ductal | ductal | comedo, high grade |
| D 9a | 0/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9b | 800/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9c | 1600/6400 | breast cancer, ductal | ductal | cribriform, low grade |
| D 9d | 2400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9e | 3200/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9f | 4000/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9g | 4800/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9h | 5600/6400 | breast cancer, ductal | ductal | solid, low grade |
| D 9i | 6400/6400 | breast cancer, ductal | ductal | comedo, high grade |
| D 9j | 7200/6400 | breast cancer, ductal | ductal | solid, low grade |
| Normal | | | | |
| E 1a | 0/0 | | normal brain | |
| E 1b | 800/0 | | normal brain | |
| E 1c | 1600/0 | | normal heart | |
| E 1d | 2400/0 | | normal heart | |
| E 2a | 0/800 | | normal lymph node | |
| E 2b | 800/800 | | normal lymph node | |
| E 3a | 0/1600 | | normal muscle | |
| E 3b | 800/1600 | | normal muscle | |
| E 4a | 0/2400 | | normal adrenal gland | |
| E 4b | 800/2400 | | normal adrenal gland | |
| E 5a | 0/3200 | | normal liver | |
| E 5b | 800/3200 | | normal liver | |
| E 6a | 0/4000 | | normal testis | |
| E 6b | 800/4000 | | normal testis | |
| E 7a | 0/4800 | | normal kidney | |
| E 7b | 800/4800 | | normal kidney | |
| E 8a | 0/5600 | | normal spleen | |
| E 8b | 800/5600 | | normal spleen | |
| E 9a | 0/6400 | | normal thyroid | |
| E 9b | 800/6400 | | normal thyroid | |
| F 1a | 0/0 | | normal brain | |
| F 1b | 800/0 | | normal brain | |

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| 1 | 47 | 14 | 1197 | Neg | Pos | Neg |
| 14 | 33 | 0 | 1198 | Pos | Pos | Neg |
| 0 | 43 | 10 | 1199 | Pos | Pos | Neg |
| | 51 | 24 | 1200 | Pos | Pos | Neg |
| 0 | 48 | 12 | 1201 | Neg | Neg | Pos |
| 4 | 35 | 29 | 1202 | Pos | Neg | Neg |
| 0 | 43 | 23 | 1203 | Pos | Neg | Neg |
| 0 | 52 | 10 | 1204 | Pos | Pos | Neg |
| 1 | 46 | 7 | 1205 | Pos | Neg | Neg |
| 0 | 54 | 17 | 1206 | Neg | Pos | Neg |
| 1 | 39 | 10 | 1207 | Neg | Neg | Neg |
| 2 | 50 | 10 | 1208 | Neg | Neg | Pos |
| 0 | 48 | 8 | 1209 | Pos | Pos | Pos |
| 0 | 37 | 19 | 1210 | Pos | Pos | Pos |
| 3 | 43 | 5 | 1211 | Pos | Pos | Pos |
| 0 | 54 | 26 | 1212 | Pos | Pos | Neg |
| 0 | 40 | 10 | 1213 | Neg | Pos | Neg |
| 10 | 50 | 20 | 1214 | Neg | Pos | Neg |
| 1 | 46 | 15 | 1215 | Neg | Neg | Pos |
| 0 | 40 | 14 | 1216 | Pos | Pos | Neg |
| 0 | 50 | 0 | 1217 | Pos | Pos | Pos |
| 11 | 46 | 10 | 1218 | Pos | Pos | Pos |
| 2 | 41 | 24 | 1219 | Pos | Pos | Pos |
| 14 | 51 | 12 | 1220 | Pos | Pos | Pos |
| 10 | 47 | 29 | | Pos | Pos | Pos |
| 1 | 54 | 23 | | Pos | Neg | Pos |
| 0 | 40 | 10 | | Pos | Neg | Neg |
| 0 | 50 | 10 | | Pos | Neg | Neg |
| 11 | 46 | 10 | | Pos | Neg | Neg |
| 2 | 40 | 8 | | Pos | Pos | Neg |
| 14 | 50 | 19 | | Pos | Pos | Pos |
| 0 | 46 | 5 | | Pos | Neg | Pos |
| 0 | 41 | 26 | | Pos | Neg | Neg |
| 11 | 51 | 10 | | Pos | Neg | Neg |
| 2 | 47 | 20 | | Pos | Neg | Neg |
| 14 | 42 | 15 | | Neg | Neg | Neg |
| 10 | 51 | 14 | | Neg | Neg | Neg |
| 1 | 47 | 0 | | Neg | Neg | Neg |
| | 51 | | 1221 | Neg | Neg | Neg |
| | 47 | | 1222 | Neg | Neg | Neg |
| | 42 | | 1223 | Neg | Neg | Neg |
| | 51 | | 1224 | Neg | Neg | Neg |
| | 40 | | 1225 | Neg | Neg | Neg |
| | 51 | | 1226 | Neg | Neg | Neg |
| | 45 | | 1227 | Neg | Neg | Neg |
| | 51 | | 1228 | Neg | Neg | Neg |
| | 47 | | 1229 | Neg | Neg | Neg |
| | 42 | | 1230 | Neg | Neg | Neg |
| | 42 | | 1231 | Neg | Neg | Pos |
| | 46 | | 1232 | Neg | Neg | Neg |
| | 50 | | 1233 | Neg | Neg | Neg |
| | 51 | | 1234 | Neg | Neg | Neg |
| | 50 | | 1235 | Neg | Pos | Neg |
| | 46 | | 1236 | Neg | Neg | Neg |
| | 41 | | 1237 | Neg | Neg | Neg |
| | 51 | | 1238 | Neg | Neg | Neg |
| | 47 | | 1239 | Neg | Neg | Neg |
| | 42 | | 1240 | Neg | Neg | Neg |
| | | | | Neg | Neg | Neg |
| | 49 | | 1221 | Neg | Neg | Neg |
| | 51 | | 1222 | Neg | Neg | Neg |

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Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| localization | Coordinates | Category | Histologic type | Subtype |
|--------------|-------------|----------|----------------------|---------|
| F 1c | 1600/0 | | normal heart | |
| F 1d | 2400/0 | | normal heart | |
| F 2a | 0/800 | | normal lymph node | |
| F 2b | 800/800 | | normal lymph node | |
| F 3a | 0/1600 | | normal muscle | |
| F 3b | 800/1600 | | normal muscle | |
| F 4a | 0/2400 | | normal adrenal gland | |
| F 4b | 800/2400 | | normal adrenal gland | |
| F 5a | 0/3200 | | normal liver | |
| F 5b | 800/3200 | | normal liver | |
| F 6a | 0/4000 | | normal testis | |
| F 6b | 800/4000 | | normal testis | |
| F 7a | 0/4800 | | normal kidney | |
| F 7b | 800/4800 | | normal kidney | |
| F 8a | 0/5600 | | normal spleen | |
| F 8b | 800/5600 | | normal spleen | |
| F 9a | 0/6400 | | normal thyroid | |
| F 9b | 800/6400 | | normal thyroid | |

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Clinomics Breast Cancer Array Data for Known Molecular Markers

| BRE grade | Tubuli | Polymorphy | Mitoses | Tumor diameter | pT | pN | LN all |
|-----------|--------|------------|---------|----------------|----|----|--------|
|-----------|--------|------------|---------|----------------|----|----|--------|

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Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

| LN pos | age | Survival/Mo | identification nr. | Her-2/neu | Cathepsin D | NM23 |
|--------|-----|-------------|--------------------|-----------|-------------|------|
| | 50 | | 1223 | Neg | Neg | Neg |
| | 46 | | 1224 | Neg | Neg | Neg |
| | 40 | | 1225 | Neg | Pos | Pos |
| | 51 | | 1226 | Neg | Neg | Neg |
| | 45 | | 1227 | Neg | Neg | Neg |
| | 51 | | 1228 | Neg | Neg | Neg |
| | 47 | | 1229 | Neg | Neg | Neg |
| | 42 | | 1230 | Neg | Neg | Neg |
| | 42 | | 1231 | Neg | Neg | Neg |
| | 46 | | 1232 | Neg | Neg | Neg |
| | 50 | | 1233 | Neg | Neg | Pos |
| | 51 | | 1234 | Neg | Neg | Pos |
| | 50 | | 1235 | Pos | Neg | Neg |
| | 46 | | 1236 | Neg | Neg | Neg |
| | 41 | | 1237 | Neg | Neg | Neg |
| | 51 | | 1238 | Neg | Neg | Neg |
| | 47 | | 1239 | Neg | Neg | Neg |
| | 42 | | 1240 | Neg | Neg | Neg |

| Coordinates | Sex | Age | Organ | Tumor Type | Grad | Pt | Ph | LN all | LN pos | DM | Surgery | Resection Margins | Clark Level | Distant Metastasis | a-FKBP51 Summ |
|---------------|-----|-----|----------|-----------------------------|------|----|----|-----------|-----------|----|---------------|----------------------|----------------|-----------------------|------------------|
| Grid 1 | | | | | | | | | | | | | | | |
| A-1 | M | 74 | Colon | Adenocarcinoma | T3 | N1 | 10 | 2 | 5 | | Colecctomy | Negative | | | 2 |
| A-2 | F | 81 | Colon | Adenocarcinoma | T3 | N1 | 14 | 3 | 3 | | Colecctomy | Negative | | | 0 |
| A-3 | F | 65 | Colon | Adenocarcinoma | T3 | N0 | 16 | 0 | 5 | | Colecctomy | Negative | | | 0 |
| A-4 | M | 67 | Colon | Adenocarcinoma | T2 | N0 | 10 | 0 | 1 | | Colecctomy | Negative | | | 0 |
| A-5 | M | 67 | Colon | Adenocarcinoma | T3 | N0 | 5 | 0 | 2 | | Colecctomy | Negative | | | 2 |
| A-6 | F | 83 | Colon | Adenocarcinoma | T1 | NX | | | | | Colecctomy | Negative | | | 1 |
| A-7 | F | 70 | Colon | Adenocarcinoma | T3 | NX | | | | | Colecctomy | Negative | | | 1 |
| A-8 | F | 79 | Colon | Oligoectic Carcinoma | T3 | N2 | 7 | 4 | 6 | | Colecctomy | Negative | | | 3 |
| A-9 | F | 60 | Colon | Adenocarcinoma | T3 | N0 | 10 | 0 | | | Colecctomy | Negative | | | 1 |
| A-10 | F | 82 | Colon | Adenocarcinoma | T3 | NX | | | | | Colecctomy | Negative | | | 2 |
| B-1 | F | 59 | Colon | Adenocarcinoma | T2 | NX | | | | 2 | Colecctomy | Negative | | | N |
| B-2 | F | 71 | Colon | Adenocarcinoma | T3 | NX | | | | 2 | Colecctomy | Negative | | | N |
| B-3 | M | 82 | Colon | Adenocarcinoma | T3 | NX | | | | 1 | Colecctomy | Negative | | | 0 |
| B-4 | F | 81 | Colon | Adenocarcinoma | T3 | NX | | | | 1 | Colecctomy | Negative | | | 1 |
| B-5 | M | 35 | Colon | Adenocarcinoma | T3 | NX | | | | 3 | Colecctomy | Negative | | | 1 |
| B-6 | M | 50 | Colon | Adenocarcinoma | T3 | NX | | | | 1 | Colecctomy | Negative | | | N |
| B-7 | F | 74 | Colon | Adenocarcinoma | T3 | NX | | | | 1 | Colecctomy | Negative | | | 1 |
| B-8 | F | 69 | Colon | Adenocarcinoma | T3 | N2 | 10 | 8 | 6 | | Colecctomy | Positive | | | 1 |
| B-9 | M | 71 | Colon | Adenocarcinoma | T3 | N1 | 3 | 1 | 3 | | Colecctomy | Positive | | | 2 |
| B-10 | F | 52 | Colon | Adenocarcinoma | T3 | NX | | | | 2 | Colecctomy | Positive | | | 3 |
| C-1 | M | 82 | Prostate | Transitional cell carcinoma | T2 | NX | | | | | Needle biopsy | | | | N |
| C-2 | M | 72 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | N |
| C-3 | M | 66 | Prostate | Adenocarcinoma | T1 | NX | | | | | Needle biopsy | | | | 0 |
| C-4 | M | 65 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 1 |
| C-5 | M | 75 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 1 |
| C-6 | M | 73 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 1 |
| C-7 | M | 55 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 2 |
| C-8 | M | 72 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 2 |
| C-9 | M | 56 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | N |
| C-10 | M | 69 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 2 |
| D-1 | M | 69 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 4 |
| D-2 | M | 74 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 0 |
| D-3 | M | N/A | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | N |
| D-4 | M | 83 | Prostate | Transitional cell carcinoma | T1S | NX | | | | | TUR | | | | N |
| D-5 | M | 69 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 1 |
| D-6 | M | 90 | Prostate | Adenocarcinoma | T1 | NX | | | | | Needle biopsy | | | | 2 |
| D-7 | M | 82 | Prostate | Transitional cell carcinoma | T2 | NX | | | | | Needle biopsy | | | | 3 |
| D-8 | M | 72 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 2 |
| D-9 | M | 66 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | 2 |

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP51 Data

| Coordinates | Sex | Age | Organ | Tumor Type | Grnd | Pt | LN | LN | LN | DM | Surgery | Resection | Clark | Distant | a-FKBP51 |
|-------------|-----|-----|--------|-------------------------|------|----|----|----|----|----|-------------------|-----------|-------|------------|----------|
| H-10 | N/A | 71 | Lung | Keratinizing carcinoma | | T4 | N1 | 7 | 2 | 7 | Right lobectomy | Margins | Level | Metastasis | Staining |
| I-1 | N/A | 64 | Kidney | Renal cell carcinoma | T1 | NX | 4 | 6 | 6 | 6 | Left nephrectomy | Negative | 4 | M1 | 1 |
| I-2 | M | 60 | Kidney | Adenocarcinoma | T3 | N0 | 6 | 4 | 4 | 4 | Left nephrectomy | Negative | 4 | M1 | 2 |
| I-3 | M | 76 | Kidney | Adenocarcinoma | T1 | N0 | 6 | 7 | 7 | 7 | Left nephrectomy | Negative | 3 | M1 | 2 |
| I-4 | M | 76 | Kidney | Adenocarcinoma | T1 | N0 | 6 | 7 | 7 | 7 | Left nephrectomy | Negative | 3 | M1 | 3 |
| I-5 | M | 50 | Kidney | Adenocarcinoma | TX | NX | 2 | 6 | 6 | 6 | Needle biopsy | Negative | 3 | M1 | 2 |
| I-6 | M | 55 | Kidney | Adenocarcinoma | T1 | N0 | 2 | 6 | 6 | 6 | Left nephrectomy | Negative | 2 | M1 | 2 |
| I-7 | M | 55 | Kidney | Adenocarcinoma | T1 | N0 | 2 | 6 | 6 | 6 | Left nephrectomy | Negative | 2 | M1 | 2 |
| I-8 | M | 76 | Kidney | Adenocarcinoma | T1 | N0 | 6 | 7 | 7 | 7 | Left nephrectomy | Negative | 2 | M1 | 2 |
| I-9 | F | 66 | Kidney | Renal cell carcinoma | T1 | NX | 7 | 7 | 7 | 7 | Right nephrectomy | Negative | 4 | M1 | 1 |
| I-10 | F | 66 | Kidney | Renal cell carcinoma | TX | NX | 3 | 3 | 3 | 3 | Right nephrectomy | Negative | 4 | M1 | 1 |
| J-1 | F | 66 | Skin | Malignant melanoma | T4 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Positive | 4 | M1 | 1 |
| J-2 | F | 65 | Skin | Malignant melanoma | T4 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 4 | M1 | 2 |
| J-3 | F | N/A | Skin | Malignant melanoma | T4 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 4 | M1 | 2 |
| J-4 | F | N/A | Skin | Malignant melanoma | T4 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 3 | M1 | 2 |
| J-5 | M | 66 | Skin | Malignant melanoma | T2 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 3 | M1 | 2 |
| J-6 | M | 70 | Skin | Malignant melanoma | T2 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 3 | M1 | 2 |
| J-7 | M | N/A | Skin | Malignant melanoma | T1 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 3 | M1 | 2 |
| J-8 | M | 36 | Skin | Malignant melanoma | T2 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 3 | M1 | 2 |
| J-9 | F | 50 | Skin | Malignant melanoma | T3 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Negative | 4 | M1 | 2 |
| J-10 | N/A | N/A | Skin | Malignant melanoma | T1 | NX | 2 | 2 | 2 | 2 | Excisional biopsy | Positive | 2 | M1 | 2 |
| Grnd 3 | | | | | | | | | | | | | | | |
| K-1 | M | 85 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-2 | M | 64 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Positive | MX | MX | 3 |
| K-3 | M | 87 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-4 | N/A | 82 | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-5 | M | 52 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Positive | MX | MX | 3 |
| K-6 | F | 69 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-7 | M | 39 | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-8 | M | N/A | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-9 | F | 59 | Skin | Squamous cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| K-10 | F | 61 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |
| L-1 | M | 57 | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Positive | MX | MX | 3 |
| L-2 | M | 57 | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 2 |
| L-3 | M | 78 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 2 |
| L-4 | N/A | N/A | Skin | Squamous cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 0 |
| L-5 | N/A | N/A | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 0 |
| L-6 | M | 42 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 0 |
| L-7 | F | 69 | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 0 |
| L-8 | M | 82 | Skin | Basal cell carcinoma | T2 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 2 |
| L-9 | N/A | 75 | Skin | Basal cell carcinoma | T1 | NX | 1 | 1 | 1 | 1 | Excisional biopsy | Negative | MX | MX | 3 |

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP1 Data

| Coordinates P-10 | Sex F | Age 34 | Organ Cervix | Tumor Type Carcinoma-in-situ | Grad TIS | Pr NX | Pr NX | LN all | LN pos | DM | Surgery Biopsy | Resection Margins | Clark Level | Distant Metastasis | a-FKBP1 Staining N |
|---------------------|----------|-----------|------------------|---------------------------------|-------------|----------|----------|-----------|-----------|----|-------------------|----------------------|----------------|-----------------------|--------------------------|
| Q-1 | F | 61 | Tonsil | Squamous cell carcinoma | T1 | NX | | | | 1 | Biopsy | | | | 0 |
| Q-2 | F | 74 | Lymph node | Lymphoma | T4 | N0 | 7 | 0 | | 2 | Stomach resection | Positive | | | 4 |
| Q-3 | F | 65 | Stomach | Adenocarcinoma | T3 | NX | | | | 2 | Biopsy | | | | 3 |
| Q-4 | F | 79 | Stomach | Adenocarcinoma | T4 | N1 | 5 | 5 | | 4 | Part Gastrectomy | Negative | | | 2 |
| Q-5 | M | 76 | Stomach | Adenocarcinoma | T3 | NX | | | | 2 | Distal resection | Negative | | | 1 |
| Q-6 | M | 82 | Penis | Malignant melanoma | T2 | N1 | 3 | 1 | | 5 | Lobectomy | Negative | | | 4 |
| Q-7 | M | 75 | Stomach | Adenocarcinoma | T2 | N1 | 3 | 1 | | 4 | Part Gastrectomy | Negative | | | 3 |
| Q-8 | F | 82 | Liver | Gastrointestinal tumor | TX | NX | | | | 4 | Wedge resection | Negative | | | 2 |
| Q-9 | M | 69 | Breast | Adenocarcinoma | T2 | N1 | 17 | 1 | | 3 | Biopsy | Negative | | | 3 |
| Q-10 | F | 71 | Breast | Ductal carcinoma | T2 | NX | | | | 3 | Biopsy | Positive | | | 3 |
| R-1 | F | 33 | Thyroid | Follicular adenoma | T2 | NX | | | | 4 | Biopsy | | | | 1 |
| R-2 | F | 33 | Thyroid | Follicular adenoma | T2 | NX | | | | 4 | Biopsy | | | | 1 |
| R-3 | M | 64 | Bladder | Transitional cell carcinoma | TX | NX | | | | 3 | Biopsy | | | | 3 |
| R-4 | M | 66 | Bladder | Transitional cell carcinoma | T1 | NX | | | | 2 | TUR | | | | 1 |
| R-5 | M | 63 | Bladder | Transitional cell carcinoma | T2 | NX | | | | 2 | Biopsy | | | | 1 |
| R-6 | M | 71 | Bladder | Transitional cell carcinoma | T2 | NX | | | | 2 | TUR | | | | 1 |
| R-7 | M | 62 | Bladder | Transitional cell carcinoma | T1 | NX | | | | 1 | Biopsy | | | | 4 |
| R-8 | F | 77 | Bladder | Transitional cell carcinoma | T2 | NX | | | | 2 | TUR | | | | 2 |
| R-9 | M | 75 | Bladder | Transitional cell carcinoma | T2 | NX | | | | 2 | Biopsy | | | | 1 |
| R-10 | M | 60 | Bladder | Transitional cell carcinoma | T2 | NX | | | | 2 | Biopsy | | | | 2 |
| S-1 | F | 63 | Bladder | Transitional cell carcinoma | T1 | NX | | | | 1 | Biopsy | | | | 2 |
| S-2 | M | 73 | Bladder | Transitional cell carcinoma | T4 | NX | | | | 1 | Biopsy | | | | 2 |
| S-3 | N/A | 78 | Bladder | Transitional cell carcinoma | T1 | NX | | | | 1 | Biopsy | | | | N |
| S-4 | M | 77 | Bladder | Transitional cell carcinoma | T1 | NX | | | | 1 | Biopsy | | | | N |
| S-5 | M | 76 | Bladder | Transitional cell carcinoma | T2 | NX | | | | 2 | Biopsy | | | | 0 |
| S-6 | F | 72 | Thibia | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 3 |
| S-7 | M | 54 | Subclavicle mass | Lymphoma | T2 | NX | | | | 2 | Biopsy | | | | 2 |
| S-8 | F | 57 | Lymph node | Lymphoma | T2 | NX | | | | 2 | Biopsy | | | | 2 |
| S-9 | F | 55 | Lymph node | Lymphoma | T2 | NX | | | | 2 | Biopsy | | | | 3 |
| S-10 | F | 82 | Lymph node | Lymphoma | T2 | NX | | | | 2 | Biopsy | | | | 3 |
| T-1 | M | 42 | Lymph node | Lymphoma | T1 | NX | | | | 1 | Biopsy | | | | 0 |
| T-2 | M | 88 | Colon | Lymphoma | T1 | NX | | | | 1 | Colecctomy | Negative | | | 1 |
| T-3 | F | 79 | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 2 |
| T-4 | M | 68 | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 2 |
| T-5 | F | 83 | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 2 |
| T-6 | N/A | N/A | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 2 |
| T-7 | M | 57 | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 1 |
| T-8 | M | 42 | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 1 |
| T-9 | N/A | N/A | Colon | Lymphoma | T1 | NX | | | | 2 | Colecctomy | Negative | | | 1 |
| T-10 | F | 73 | Lymph node | Lymphoma | T1 | NX | | | | 2 | Biopsy | | | | 0 |

Cancer Screening Array

| Coordinates | Sex | Age | Organ | Tumor Type | Grade | Pt | Pr | LN | LN | DM | Surgery | Resection | Clark | Level | Metastasis | RCAS | Staining |
|-------------|-----|-----|----------|-----------------------------|-------|----|----|----|----|----|---------------|-----------|-------|-------|------------|------|----------|
| Grid 1 | | | | | | | | | | | | | | | | | |
| A-1 | M | 74 | Colon | Adenocarcinoma | T3 | N1 | 10 | 2 | 5 | 5 | Colecomy | Negative | | | | N | 3 |
| A-2 | F | 81 | Colon | Adenocarcinoma | T3 | N1 | 14 | 3 | 5 | 5 | Colecomy | Negative | | | | N | 3 |
| A-3 | F | 65 | Colon | Adenocarcinoma | T3 | N0 | 16 | 0 | 5 | 1 | Colecomy | Negative | | | | N | 3 |
| A-4 | M | 67 | Colon | Adenocarcinoma | T2 | N0 | 10 | 0 | 2 | 1 | Colecomy | Negative | | | | N | 4 |
| A-5 | M | 67 | Colon | Adenocarcinoma | T3 | N0 | 5 | 0 | 2 | 2 | Colecomy | Negative | | | | N | 3 |
| A-6 | F | 83 | Colon | Adenocarcinoma | T1 | NX | | | 6 | 6 | Colecomy | Negative | | | | N | 3 |
| A-7 | F | 70 | Colon | Adenocarcinoma | T3 | NX | | | 4 | 4 | Colecomy | Negative | | | | N | 3 |
| A-8 | F | 78 | Colon | Glioblastic Carcinoma | T3 | N0 | 7 | 7 | 3 | 3 | Colecomy | Negative | | | | N | 3 |
| A-9 | F | 60 | Colon | Adenocarcinoma | T3 | N0 | 10 | 0 | 3 | 3 | Colecomy | Negative | | | | N | 3 |
| A-10 | F | 52 | Colon | Adenocarcinoma | T3 | NX | | | 2 | 2 | Colecomy | Negative | | | | N | 4 |
| B-1 | F | 59 | Colon | Adenocarcinoma | T2 | NX | | | 2 | 2 | Colecomy | Negative | | | | N | N |
| B-2 | F | 71 | Colon | Adenocarcinoma | T3 | NX | | | 1 | 1 | Colecomy | Negative | | | | N | N |
| B-3 | F | 82 | Colon | Adenocarcinoma | T1S | NX | | | 1 | 1 | Colecomy | Negative | | | | N | 2 |
| B-4 | F | 81 | Colon | Adenocarcinoma | T1S | NX | | | 3 | 3 | Colecomy | Negative | | | | N | 4 |
| B-5 | M | 35 | Colon | Adenocarcinoma | T1S | NX | | | 3 | 3 | Colecomy | Negative | | | | N | 4 |
| B-6 | M | 50 | Colon | Adenocarcinoma | T1S | NX | | | 1 | 1 | Colecomy | Negative | | | | N | 3 |
| B-7 | F | 74 | Colon | Adenocarcinoma | T3 | N2 | 10 | 6 | 3 | 3 | Colecomy | Positive | | | | N | 3 |
| B-8 | F | 69 | Colon | Adenocarcinoma | T3 | N2 | 10 | 6 | 3 | 3 | Colecomy | Positive | | | | N | 3 |
| B-9 | M | 71 | Colon | Adenocarcinoma | T1S | N1 | 3 | 1 | 6 | 6 | Colecomy | Positive | | | | N | 4 |
| B-10 | F | 52 | Colon | Adenocarcinoma | T3 | NX | | | 2 | 2 | Colecomy | Positive | | | | N | 4 |
| C-1 | M | 82 | Prostate | Transitional cell carcinoma | T2 | NX | | | | | Needle biopsy | | | | | N | N |
| C-2 | M | 72 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | N |
| C-3 | M | 66 | Prostate | Adenocarcinoma | T1 | NX | | | | | Needle biopsy | | | | | N | 2 |
| C-4 | M | 66 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 2 |
| C-5 | M | 75 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| C-6 | M | 73 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| C-7 | M | 55 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 2 |
| C-8 | M | 55 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 2 |
| C-9 | M | 66 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| C-10 | M | 69 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| D-1 | M | 69 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| D-2 | M | 74 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| D-3 | M | N/A | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | N |
| D-4 | M | 83 | Prostate | Transitional cell carcinoma | T1S | NX | | | | | TUR | | | | | N | N |
| D-5 | M | 69 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| D-6 | M | 90 | Prostate | Adenocarcinoma | T1 | NX | | | | | Needle biopsy | | | | | N | 4 |
| D-7 | M | 82 | Prostate | Transitional cell carcinoma | T2 | NX | | | | | Needle biopsy | | | | | N | 4 |
| D-8 | M | 72 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| D-9 | M | 66 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |
| D-10 | M | 55 | Prostate | Adenocarcinoma | T1 | NX | | | | | TUR | | | | | N | 3 |

Table 16
CS 200 831000 Clinometrics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| Coordinates | Sex | Age | Organ | Tumor type | Grade | Pt. | LN | LN | DM | Surgery | Resection | Clark | Distant | RCAS1 |
|-------------|-----|-----|---------|------------------------------------|-------|-----|----|-----|------|-----------------|-----------|-------|------------|----------|
| | | | | | | | | all | pos. | | Margins | Level | Metastasis | Staining |
| E-1 | M | 82 | Bladder | Transitional cell carcinoma | 4 | T2 | NX | | | Needle biopsy | | | | N |
| E-2 | M | N/A | Bladder | Transitional cell carcinoma | 1 | T1 | NX | | | TUR | | | | N |
| E-3 | M | 71 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | N |
| E-4 | M | 72 | Bladder | Transitional cell carcinoma | 1 | T1 | NX | | | Needle biopsy | | | | N |
| E-5 | N/A | 80 | Bladder | Transitional cell carcinoma | 1 | T1 | NX | | | Needle biopsy | | | | N |
| E-6 | F | 74 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | N |
| E-7 | F | 77 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | N |
| E-8 | M | 46 | Bladder | Transitional cell carcinoma | 3-4 | T2 | NX | | | Needle biopsy | | | | 2 |
| E-9 | F | 68 | Bladder | Transitional cell carcinoma | 3-4 | T2 | NX | | | Needle biopsy | | | | 3 |
| E-10 | M | 61 | Bladder | Transitional cell carcinoma | 3 | T2 | NX | | | Needle biopsy | | | | 3 |
| Grid 2 | | | | | | | | | | | | | | |
| F-1 | M | 83 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | TUR | | | | 3 |
| F-2 | M | 62 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | 2 |
| F-3 | M | 85 | Bladder | Adenocarcinoma | 1 | T1 | NX | | | Needle biopsy | | | | N |
| F-4 | N/A | N/A | Bladder | Transitional cell carcinoma | 3-4 | T1 | NX | | | Needle biopsy | | | | 4 |
| F-5 | N/A | 87 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | N |
| F-6 | M | 81 | Bladder | Transitional cell carcinoma | 3-4 | T2 | NX | | | Needle biopsy | | | | N |
| F-7 | M | 76 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | N |
| F-8 | F | 89 | Bladder | Transitional cell carcinoma | 2 | T1 | NX | | | Needle biopsy | | | | N |
| F-9 | M | 84 | Bladder | Transitional cell carcinoma | 2 | T2 | NX | | | Needle biopsy | | | | N |
| F-10 | F | 77 | Bladder | Transitional cell carcinoma | 2-3 | T2 | NX | | | Needle biopsy | | | | N |
| G-1 | N/A | 73 | Lung | Squamous cell carcinoma | 12 | NX | | | | Biopsy | | | | N |
| G-2 | F | 62 | Lung | Bronchio alveolar carcinoma | 12 | NX | | | | Right lobectomy | | | | N |
| G-3 | N/A | 32 | Lung | Adenocarcinoma | 11 | NX | | | | Wedge resection | | | | 3 |
| G-4 | N/A | 55 | Lung | Adenocarcinoma | 11 | N0 | 7 | 0 | | Left lobectomy | | | | 3 |
| G-5 | F | 77 | Lung | Lymphoma | 14 | NX | | | | Biopsy | | | | 3 |
| G-6 | M | 65 | Lung | Squamous cell carcinoma | 13 | N1 | 10 | 3 | | Left lobectomy | | | | N |
| G-7 | N/A | 61 | Lung | Lymphangitic carcinoma | 12 | NX | | | | Left lobectomy | | | | 4 |
| G-8 | N/A | 71 | Lung | Keratinizing carcinoma | 14 | N1 | 7 | 2 | | Right lobectomy | | | | N |
| G-9 | F | 76 | Lung | Squamous cell carcinoma | 11 | N0 | 2 | 0 | | Left lobectomy | | | | N |
| G-10 | M | 57 | Lung | Adenocarcinoma | 13 | NX | | | | Right lobectomy | | | | 4 |
| H-1 | M | 67 | Lung | Squamous cell carcinoma | 13 | NX | 8 | 5 | | Right lobectomy | | | | 3 |
| H-2 | F | 68 | Lung | Adenocarcinoma | 13 | NX | | | | Right lobectomy | | | | 3 |
| H-3 | M | 68 | Lung | Epidermoid carcinoma | 13 | NX | | | | Right lobectomy | | | | 3 |
| H-4 | F | 69 | Lung | Adenocarcinoma | 12 | N0 | | | | Right lobectomy | | | | 3 |
| H-5 | M | 46 | Lung | Adeno-squamous cell carcinoma | 12 | N1 | 4 | 4 | | Right lobectomy | | | | 3 |
| H-6 | M | 71 | Lung | Mesothelioma | 11 | NX | | | | Biopsy | | | | N |
| H-7 | M | 32 | Lung | Papillary differentiated carcinoma | 11 | NX | | | | Biopsy | | | | N |
| H-8 | N/A | 32 | Lung | Adenocarcinoma | 11 | NX | | | | Wedge resection | | | | 1 |
| H-9 | N/A | 61 | Lung | Lymphangitic carcinoma | 12 | NX | | | | Left lobectomy | | | | 4 |
| H-10 | N/A | 71 | Lung | Keratinizing carcinoma | 14 | N1 | 7 | 2 | | Right lobectomy | | | | 2 |

Appendix A
Table 16
CS 200 83100 Cliniconics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| Coordinates | Sex | Age | Organ | Tumor Type | Grade | Pt | Pr | LN | LN | DM | Surgery | Resection | Clark | Distant | RCAS1 |
|-------------|-----|-----|--------|-------------------------|-------|----|----|----|----|----|-------------------|-----------|-------|------------|----------|
| | | | | | | | | | | | | | | | |
| L-1 | NA | 64 | Kidney | Renal cell carcinoma | T1 | NX | | | | | Left nephrectomy | Margins | Level | Metastasis | Staining |
| L-2 | M | 60 | Kidney | Adenocarcinoma | T3 | NO | 4 | | | | Left nephrectomy | | | | N |
| L-3 | M | 76 | Kidney | Adenocarcinoma | T1 | NO | 6 | | | | Left nephrectomy | | | | 2 |
| L-4 | M | 70 | Kidney | Adenocarcinoma | T1 | NO | 6 | | | | Needle biopsy | | | | 3 |
| L-5 | M | 50 | Kidney | Adenocarcinoma | TX | NX | | | | | Left nephrectomy | | | | N |
| L-6 | M | 55 | Kidney | Adenocarcinoma | T1 | NO | 2 | | | | Left nephrectomy | | | | 2 |
| L-7 | M | 55 | Kidney | Adenocarcinoma | T1 | NO | 6 | | | | Left nephrectomy | | | | 3 |
| L-8 | M | 76 | Kidney | Adenocarcinoma | T1 | NO | | | | | Right nephrectomy | | | | N |
| L-9 | F | 65 | Kidney | Renal cell carcinoma | T1 | NX | | | | | Right nephrectomy | | | | N |
| L-10 | F | 65 | Kidney | Renal cell carcinoma | T1 | NX | | | | | Right nephrectomy | | | | N |
| J-1 | F | 66 | Skin | Malignant melanoma | TX | NX | | | | | Excisional biopsy | Negative | | M1 | 1 |
| J-2 | F | 65 | Skin | Malignant melanoma | T4 | NX | | | | | Excisional biopsy | Positive | | M1 | N |
| J-3 | F | NA | Skin | Malignant melanoma | T4 | NX | | | | | Excisional biopsy | Negative | 4 | M1 | 3 |
| J-4 | F | NA | Skin | Malignant melanoma | T4 | NX | | | | | Excisional biopsy | Negative | 4 | M1 | N |
| J-5 | M | 66 | Skin | Malignant melanoma | T2 | NX | | | | | Excisional biopsy | Negative | 3 | M1 | N |
| J-6 | M | 70 | Skin | Malignant melanoma | T2 | NX | | | | | Excisional biopsy | Negative | 3 | M1 | N |
| J-7 | M | NA | Skin | Malignant melanoma | T1 | NX | | | | | Excisional biopsy | Negative | 2 | M0 | N |
| J-8 | M | 36 | Skin | Malignant melanoma | T2 | NX | | | | | Excisional biopsy | Negative | 3 | M0 | N |
| J-9 | F | 50 | Skin | Malignant melanoma | T2 | NX | | | | | Excisional biopsy | Negative | 4 | M1 | N |
| J-10 | NA | NA | Skin | Malignant melanoma | T1 | NX | | | | | Excisional biopsy | Positive | 2 | M1 | N |
| Grd 3 | | | | | | | | | | | | | | | |
| K-1 | M | 85 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| K-2 | M | 64 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Positive | | MX | N |
| K-3 | M | 87 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| K-4 | NA | 82 | Skin | Basal cell carcinoma | T2 | NX | | | | | Excisional biopsy | Positive | | MX | N |
| K-5 | M | 52 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | M1 | N |
| K-6 | F | 69 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| K-7 | M | 39 | Skin | Basal cell carcinoma | T2 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| K-8 | M | NA | Skin | Basal cell carcinoma | T2 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| K-9 | F | 56 | Skin | Squamous cell carcinoma | T2 | NX | | | | | Excisional biopsy | Negative | | M0 | N |
| K-10 | F | 81 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Positive | | MX | N |
| L-1 | M | 57 | Skin | Basal cell carcinoma | T2 | NX | | | | | Excisional biopsy | Negative | | MX | 2 |
| L-2 | M | 57 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-3 | M | 78 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | 2 |
| L-4 | NA | NA | Skin | Squamous cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-5 | NA | NA | Skin | Squamous cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-6 | M | 42 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-7 | F | 69 | Skin | Basal cell carcinoma | T2 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-8 | M | 82 | Skin | Basal cell carcinoma | T2 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-9 | NA | 75 | Skin | Basal cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | N |
| L-10 | NA | NA | Skin | Squamous cell carcinoma | T1 | NX | | | | | Excisional biopsy | Negative | | MX | 2 |

Table 16
CS 200 83100 Clinomics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| Coordinates | Sex | Age | Organ | Tumor Type | Grade | Pt | Pr | LN | LN | DM | Surgery | Resection | Clark | Distant | RCAS1 |
|-------------|-----|-----|------------------|-----------------------------|-------|---------|----|----|----|----|-------------------|-----------|-------|------------|----------|
| Q-1 | F | 61 | Tonsil | Squamous cell carcinoma | | T1 | NX | | | | Biospy | Margins | Level | Metastasis | Staining |
| Q-2 | F | 74 | Lymph node | Lymphoma | | T4 | N0 | 7 | 0 | 4 | Stomach resection | Positive | | | 3 |
| Q-3 | F | 65 | Stomach | Adenocarcinoma | | T3 | NX | | | 2 | Biospy | Negative | | | N |
| Q-4 | F | 79 | Stomach | Adenocarcinoma | | T4 | N1 | 5 | 5 | 4 | Part gastrectomy | Negative | | | 4 |
| Q-5 | M | 76 | Stomach | Adenocarcinoma | | T3 | N1 | 3 | 1 | 5 | Distal resection | Negative | | | 2 |
| Q-6 | M | 82 | Penis | Malignant melanoma | | T2 | N1 | 3 | 1 | 5 | Lobectomy | Negative | | | 4 |
| Q-7 | M | 75 | Lung | Adenocarcinoma | | TX | NX | | | 4 | Part gastrectomy | Negative | | | 4 |
| Q-8 | F | 82 | Stomach | Gastrointestinal tumor | | T2 | N1 | 17 | 1 | 3 | Wedge resection | Negative | | | N |
| Q-9 | M | 69 | Liver | Adenocarcinoma | | T2 | NX | | | 3 | Biospy | Positive | | | N |
| Q-10 | F | 71 | Breast | Ductal carcinoma | | T2 | NX | | | | Biospy | Positive | | | 3 |
| R-1 | F | 33 | Thyroid | Follicular adenoma | | T2 | NX | | | 4 | Biospy | | | | 2 |
| R-2 | F | 33 | Thyroid | Follicular adenoma | | T2 | NX | | | 4 | Biospy | | | | 2 |
| R-3 | M | 64 | Bladder | Transitional cell carcinoma | | T3 | NX | | | | Biospy | | | | N |
| R-4 | M | 66 | Bladder | Transitional cell carcinoma | | T2 | NX | | | | TUR | | | | N |
| R-5 | M | 83 | Bladder | Transitional cell carcinoma | | T2 | NX | | | | Biospy | | | | N |
| R-6 | M | 71 | Bladder | Transitional cell carcinoma | | T3 | NX | | | | TUR | | | | N |
| R-7 | M | 82 | Bladder | Transitional cell carcinoma | | T2 | NX | | | 1 | Biospy | | | | N |
| R-8 | F | 77 | Bladder | Transitional cell carcinoma | | T2 | NX | | | 1 | TUR | | | | 3 |
| R-9 | M | 75 | Bladder | Transitional cell carcinoma | | T2 | NX | | | 2 | Biospy | | | | 4 |
| R-10 | M | 60 | Bladder | Transitional cell carcinoma | | T2 | NX | | | | | | | | 4 |
| S-1 | F | 63 | Bladder | Transitional cell carcinoma | | T4 | NX | | | 1 | Biospy | | | | 3 |
| S-2 | M | 73 | Bladder | Transitional cell carcinoma | | T4 | NX | | | 1 | Biospy | | | | N |
| S-3 | M | 78 | Bladder | Transitional cell carcinoma | | T3 | NX | | | 1 | Biospy | | | | N |
| S-4 | M | 77 | Bladder | Transitional cell carcinoma | | T2 to 3 | NX | | | 1 | Biospy | | | | N |
| S-5 | M | 76 | Bladder | Transitional cell carcinoma | | T4 | NX | | | 2 | Biospy | | | | 3 |
| S-6 | F | 72 | Thia | Lymphoma | | | | | | | Biospy | | | | 4 |
| S-7 | M | 54 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 1 |
| S-8 | F | 55 | Subclavicle mass | Lymphoma | | | | | | | Biospy | | | | 1 |
| S-9 | M | 57 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 1 |
| S-10 | F | 82 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 1 |
| T-1 | M | 42 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 3 |
| T-2 | M | 88 | Colon | Lymphoma | | | | | | | Colectomy | Negative | | | 3 |
| T-3 | F | 73 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 2 |
| T-4 | M | 66 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 2 |
| T-5 | F | 80 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 2 |
| T-6 | N/A | N/A | Lymph node | Lymphoma | | | | | | | Biospy | | | | 2 |
| T-7 | M | 57 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 3 |
| T-8 | M | 42 | Lymph node | Lymphoma | | | | | | | Colectomy | Negative | | | 0 |
| T-9 | N/A | N/A | Colon | Lymphoma | | | | | | | Colectomy | Negative | | | 0 |
| T-10 | F | 73 | Lymph node | Lymphoma | | | | | | | Biospy | | | | 0 |

Appendix A

Table 17

NO 200 #90100 Clinomics Oncology and Normal Array Job #1190

Normal Tissue Array

CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| Coordinates | Sex | Age | Organ | Diagnosis | Surgery | RCAS1 Staining |
|---------------|-----|-----|----------|-----------------------|------------|----------------|
| Grid 1 | | | | | | |
| A-1 | M | 60 | Prostate | Prostatic hyperplasia | TUR | N |
| A-2 | M | 75 | Prostate | Prostatic hypertrophy | TUR | N |
| A-3 | M | 66 | Prostate | Prostatic hyperplasia | TUR | N |
| A-4 | M | 89 | Prostate | Prostatic hyperplasia | TUR | N |
| A-5 | M | 67 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| A-6 | M | 71 | Prostate | Prostatic hyperplasia | TUR | N |
| A-7 | M | 74 | Prostate | Prostatic hyperplasia | TUR | N |
| A-8 | M | 72 | Prostate | Prostatic hyperplasia | TUR | N |
| A-9 | M | 74 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| A-10 | M | 71 | Prostate | Prostatic hyperplasia | TUR | N |
| | | | | | | |
| B-1 | M | 68 | Prostate | Prostatic hyperplasia | TUR | N |
| B-2 | M | 71 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| B-3 | M | 84 | Prostate | Prostatic hyperplasia | TUR | N |
| B-4 | M | 69 | Prostate | Prostatic hyperplasia | TUR | N |
| B-5 | M | 69 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| B-6 | M | 62 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| B-7 | M | 57 | Prostate | Prostatic hyperplasia | TUR | N |
| B-8 | M | 68 | Prostate | Prostatic hyperplasia | TUR | N |
| B-9 | M | 68 | Prostate | Prostatic hyperplasia | TUR | N |
| B-10 | M | 65 | Prostate | Prostatic hyperplasia | TUR | N |
| | | | | | | |
| C-1 | M | 86 | Prostate | Prostatic hyperplasia | TUR | N |
| C-2 | M | 68 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| C-3 | M | 72 | Prostate | Prostatic hyperplasia | TUR | N |
| C-4 | M | 70 | Prostate | Prostatic hyperplasia | TUR | 1+ |
| C-5 | M | 71 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| C-6 | M | 60 | Prostate | Prostatic hyperplasia | TUR | N |
| C-7 | M | 64 | Prostate | Prostatic hyperplasia | TUR | N |
| C-8 | M | 77 | Prostate | Prostatic hyperplasia | TUR | N |
| C-9 | M | 73 | Prostate | Prostatic hyperplasia | TUR | N |
| C-10 | M | 77 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| | | | | | | |
| D-1 | M | 78 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| D-2 | M | 65 | Prostate | Prostatic hyperplasia | TUR | N |
| D-3 | M | 78 | Prostate | Prostatic hyperplasia | TUR | N |
| D-4 | M | 73 | Prostate | Prostatic hyperplasia | TUR | N |
| D-5 | M | 77 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| D-6 | M | 75 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| D-7 | M | 80 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| D-8 | M | 73 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| D-9 | M | 75 | Prostate | Prostatic hyperplasia | TUR | 3+ |
| D-10 | M | 80 | Prostate | Prostatic hyperplasia | TUR | 4+ |
| | | | | | | |
| E-1 | M | 78 | Prostate | Prostatic hyperplasia | TUR | N |
| E-2 | M | 63 | Prostate | Prostatic hyperplasia | TUR | N |
| E-3 | M | 69 | Prostate | Prostatic hyperplasia | TUR | N |
| E-4 | M | 82 | Prostate | Prostatic hyperplasia | TUR | 2+ |
| E-5 | M | 78 | Prostate | Prostatic hyperplasia | TUR | N |
| E-6 | M | 75 | Prostate | Prostatic hyperplasia | TUR | 1+ |
| E-7 | M | 60 | Prostate | Prostatic hyperplasia | TUR | N |
| E-8 | M | 66 | Prostate | Prostatic hyperplasia | TUR | N |
| E-9 | M | 64 | Prostate | Prostatic hyperplasia | TUR | N |
| E-10 | M | 73 | Prostate | Prostatic hyperplasia | TUR | N |
| | | | | | | |
| Grid 2 | | | | | | |
| F-1 | F | N/A | Breast | | Mastectomy | N |

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Appendix A
Table 17
NO 200 #90100 Clinomics Oncology and Normal Array Job #1190
Normal Tissue Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| | | | | | | |
|--------|----|-----|--------|---------------------------|------------|----|
| F-2 | F | 52 | Breast | Fibrocystic disease | Biopsy | N |
| F-3 | F | 69 | Breast | Fibrocystic disease | Biopsy | 3+ |
| F-4 | F | 43 | Breast | Epidermal inclusion cyst | Biopsy | N |
| F-5 | F | 50 | Breast | Fibrocystic disease | Biopsy | 3+ |
| F-6 | F | 39 | Breast | Fibrocystic disease | Biopsy | N |
| F-7 | F | 49 | Breast | Fibrocystic disease | Biopsy | N |
| F-8 | F | 38 | Breast | Fibrocystic disease | Biopsy | 3+ |
| F-9 | F | 53 | Breast | Fibrocystic disease | Biopsy | N |
| F-10 | F | 74 | Breast | Fibrocystic disease | Biopsy | N |
| | | | | | | |
| G-1 | F | | Breast | Fibrocystic disease | Biopsy | N |
| G-2 | F | | Breast | Fibrocystic disease | Biopsy | N |
| G-3 | F | | Breast | Fibrocystic disease | Biopsy | 3+ |
| G-4 | F | | Breast | Fibrocystic disease | Biopsy | N |
| G-5 | F | | Breast | Chronic mastitis | Biopsy | N |
| G-6 | F | | Breast | Fibrocystic disease | Biopsy | N |
| G-7 | F | | Breast | Fibrocystic disease | Biopsy | N |
| G-8 | F | | Breast | Perilobular fibrosis | Biopsy | N |
| G-9 | F | | Breast | Fibroadenoma | Biopsy | N |
| G-10 | F | | Breast | Fibrocystic disease | Biopsy | N |
| | | | | | | |
| H-1 | F | | Breast | Fibrocystic disease | Biopsy | 3+ |
| H-2 | F | | Breast | Fibrocystic disease | Biopsy | N |
| H-3 | F | | Breast | Fibrocystic disease | Biopsy | N |
| H-4 | F | | Breast | Fibrosis | Biopsy | N |
| H-5 | F | | Breast | Fibroadenoma | Biopsy | N |
| H-6 | F | | Breast | Fibrocystic disease | Biopsy | N |
| H-7 | F | | Breast | Fibrocystic disease | Biopsy | N |
| H-8 | F | | Breast | Fibrocystic disease | Biopsy | N |
| H-9 | F | | Breast | Fibrocystic disease | Biopsy | 3+ |
| H-10 | F | | Breast | Fibrocystic disease | Biopsy | 3+ |
| | | | | | | |
| I-1 | F | N/A | Breast | Fibrocystic disease | Biopsy | N |
| I-2 | F | 35 | Breast | Fibrocystic disease | Biopsy | N |
| I-3 | F | 29 | Breast | Fibrocystic disease | Biopsy | N |
| I-4 | F | 77 | Breast | Fibrocystic disease | Biopsy | N |
| I-5 | F | 69 | Breast | Fibrocystic disease | Biopsy | N |
| I-6 | F | 68 | Breast | Fibrocystic disease | Biopsy | N |
| I-7 | F | 51 | Breast | Fibrocystic disease | Biopsy | 4+ |
| I-8 | F | 52 | Breast | | Biopsy | 3+ |
| I-9 | F | 54 | Breast | Chronic inflammation | Biopsy | 3+ |
| I-10 | F | 80 | Breast | Fibrocystic disease | Biopsy | N |
| | | | | | | |
| J-1 | F | 39 | Breast | Fibrocystic disease | Biopsy | 3+ |
| J-2 | F | 41 | Breast | No pathological diagnosis | Biopsy | N |
| J-3 | F | 48 | Breast | Fibrocystic disease | Biopsy | N |
| J-4 | F | 61 | Breast | Fibrocystic disease | Biopsy | N |
| J-5 | F | 65 | Breast | Fibrocystic disease | Biopsy | N |
| J-6 | F | 52 | Breast | Fibrocystic disease | Biopsy | N |
| J-7 | F | 72 | Breast | Fibrocystic disease | Biopsy | N |
| J-8 | F | 56 | Breast | Fibrocystic disease | Mastectomy | N |
| J-9 | F | 54 | Breast | Fibrocystic disease | Biopsy | N |
| J-10 | F | N/A | Breast | Fibrocystic disease | Biopsy | N |
| | | | | | | |
| Grid 3 | | | | | | |
| K-1 | F | 48 | Skin | Hemangioma | Biopsy | 3+ |
| K-2 | M | 10 | Skin | Pyogenic granuloma | Biopsy | 3+ |
| K-3 | M | 51 | Skin | Parakeratosis; dermatitis | Biopsy | N |
| K-4 | | 45 | Skin | Seborrheic keratosis | Biopsy | N |
| K-5 | MF | 55 | Skin | Hemangioma | Biopsy | N |

Appendix A

Table 17

NO 200 #90100 Clinomics Oncology and Normal Array Job #1190

Normal Tissue Array

CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| | | | | | | |
|------|-----|-----|--------------------|-----------------------------------|-----------------|----|
| K-6 | F | 73 | Skin | Hemangioma | Biopsy | N |
| K-7 | M | 33 | Skin | Chronic dermatitis | Biopsy | 3+ |
| K-8 | F | 19 | Skin | Intradermal nevus | Biopsy | N |
| K-9 | F | 28 | Skin | Dermatofibroma | Biopsy | N |
| L-1 | M | 13 | Skin | Pyogenic granuloma | Biopsy | 3+ |
| L-2 | F | 42 | Skin | Angiokeratoma | Biopsy | N |
| L-3 | M | 33 | Skin | Intradermal nevus | Biopsy | 3+ |
| L-4 | M | 56 | Skin | Hemangioma | Biopsy | 0 |
| L-5 | F | 43 | Skin | Hemangioma | Biopsy | N |
| L-6 | F | 23 | Skin | Dermatofibroma | Biopsy | 2+ |
| L-7 | M | 24 | Skin | Pyogenic granuloma | Biopsy | 3+ |
| L-8 | F | 68 | Skin | Intradermal nevus | Biopsy | 3+ |
| L-9 | F | 30 | Skin | Intradermal nevus | Biopsy | 3+ |
| L-10 | M | 32 | Skin | Dermatofibroma | Biopsy | N |
| M-1 | M | 36 | Skin | Dermatofibroma | Biopsy | 3+ |
| M-2 | F | 71 | Skin | Intradermal nevus | Biopsy | 3+ |
| M-3 | F | 35 | Skin | Epidermal inclusion cyst | Biopsy | N |
| M-4 | M | 47 | Skin | Dermatofibroma | Biopsy | N |
| M-5 | M | N/A | Skin | Dermatofibroma | Biopsy | N |
| M-6 | F | N/A | Skin | Dermatofibroma | Biopsy | 3+ |
| M-7 | F | 53 | Skin | Intradermal nevus | Biopsy | 3+ |
| M-8 | F | 43 | Skin | Epidermal inclusion cyst | Biopsy | N |
| M-9 | M | 28 | Skin | Dermatofibroma | Biopsy | N |
| M-10 | M | 48 | Skin | Intradermal nevus | Biopsy | 3+ |
| N-1 | M | 28 | Testes | Testicular atrophy | Testectomy | N |
| N-2 | M | 38 | Testes | Testicular atrophy | Testectomy | 4+ |
| N-3 | M | 53 | Epididymis; testes | Necrosis of testicular parenchyma | Testectomy | 3+ |
| N-4 | M | 74 | Epididymis; testes | Spermatocoele | Testectomy | 3+ |
| N-5 | M | 78 | Testes | Decreased spermatogenesis | Testectomy | 3+ |
| N-6 | M | 78 | Testes | Decreased spermatogenesis | Testectomy | 2+ |
| N-7 | M | 78 | Testes | Decreased spermatogenesis | Testectomy | N |
| N-8 | M | 82 | Testes | Decreased spermatogenesis | Testectomy | 3+ |
| N-9 | M | 82 | Testes | Decreased spermatogenesis | Testectomy | 4+ |
| N-10 | M | 53 | Epididymis; testes | Ectatic epididymis tubules | Testectomy | N |
| O-1 | M | 77 | Liver | Capsular angioma | Biopsy | N |
| O-2 | F | 67 | Liver | Fatty metamorphosis | Biopsy | N |
| O-3 | F | 32 | Liver | Chronic inflammation; fibrosis | Biopsy | 3+ |
| O-4 | F | 26 | Liver | Chronic triaditis | Biopsy | 4+ |
| O-5 | N/A | 55 | Gallbladder | Cholecystitis | Cholecystectomy | N |
| O-6 | M | 40 | Liver | Chronic triaditis | Biopsy | N |
| O-7 | F | 32 | Liver | No diagnostic alterations | Biopsy | 3+ |
| O-8 | M | 73 | Liver | Chronic inflammation; fibrosis | Biopsy | N |
| O-9 | M | 73 | Liver | Chronic inflammation; fibrosis | Biopsy | N |
| O-10 | M | 73 | Liver | Chronic inflammation; fibrosis | Biopsy | N |
| P-1 | M | N/A | Colon | Tubular adenoma | Biopsy | 3+ |
| P-2 | F | 91 | Colon | Tubular adenoma | Biopsy | N |
| P-3 | F | 41 | Colon | Tubular adenoma | Biopsy | 4+ |
| P-4 | M | 71 | Colon | Tubular adenoma | Biopsy | N |
| P-5 | F | 58 | Colon | Tubular adenoma | Biopsy | 3+ |
| P-6 | M | 69 | Colon | Tubular adenoma | Biopsy | 1+ |
| P-7 | M | 81 | Colon | Tubular adenoma | Biopsy | N |
| P-8 | F | 44 | Colon | Tubular adenoma | Biopsy | 3+ |
| P-9 | M | 66 | Colon | Tubular adenoma | Biopsy | 2+ |
| P-10 | F | 60 | Colon | Tubular adenoma | Biopsy | N |

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Appendix A

Table 17

NO 200 #90100 Clinomics Oncology and Normal Array Job #1190

Normal Tissue Array

CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| | | | | | | |
|------|---|-----|-------------------|---------------------------------|-------------------|----|
| Q-1 | M | 84 | Colon | Tubular adenoma | Biopsy | 3+ |
| Q-2 | M | 42 | Substantia nigra | Unremarkable | Autopsy | 2+ |
| Q-3 | M | 42 | Medulla oblongata | Unremarkable | Autopsy | 2+ |
| Q-4 | M | 42 | Cerebellum | Unremarkable | Autopsy | 3+ |
| Q-5 | M | 40 | Parathyroid | Nodular hyperplasia | Parathyroidectomy | 3+ |
| Q-6 | M | 100 | Lung | Bronchopneumonia | Autopsy | N |
| Q-7 | F | 52 | Spleen | Unremarkable | Autopsy | 4+ |
| Q-8 | F | 100 | Spleen | Unremarkable | Autopsy | 4+ |
| Q-9 | F | 44 | Thyroid | Unremarkable | Autopsy | 1+ |
| Q-10 | M | 15 | Tonsil | Lymphoid hyperplasia | Tonsilectomy | 3+ |
| R-1 | F | 79 | Cervix | No diagnostic abnormality | Hysterectomy | N |
| R-2 | F | 79 | Cervix | No diagnostic abnormality | Hysterectomy | N |
| R-3 | F | 43 | Cervix | Dysplasia | Cone biopsy | N |
| R-4 | F | 43 | Cervix | Dysplasia | Cone biopsy | N |
| R-5 | F | 35 | Ovary | Paraovarian cysts | Hysterectomy | N |
| R-6 | F | 52 | Ovary | No diagnostic abnormality | Autopsy | N |
| R-7 | F | 31 | Uterus | No diagnostic abnormality | Autopsy | 2+ |
| R-8 | F | 80 | Cervix | No diagnostic abnormality | Hysterectomy | N |
| R-9 | F | 35 | Uterus | Adenomyosis | Hysterectomy | N |
| R-10 | F | 35 | Cervix | No diagnostic abnormality | Hysterectomy | N |
| S-1 | F | 71 | Kidney | Arterialnephrosclerosis | Autopsy | N |
| S-2 | F | 71 | Kidney | Arterialnephrosclerosis | Autopsy | N |
| S-3 | F | 31 | Coronary artery | Unremarkable | | 1+ |
| S-4 | F | 31 | Coronary artery | Unremarkable | | 1+ |
| S-5 | F | 71 | Left ventricle | chronic ischemic cardiomyopathy | Autopsy | 4+ |
| S-6 | F | 31 | Heart | Unremarkable | Autopsy | 4+ |
| S-7 | F | 31 | Heart | Unremarkable | Autopsy | 4+ |
| S-8 | F | 71 | Right ventricle | chronic ischemic cardiomyopathy | Autopsy | 3+ |
| S-9 | F | 71 | Right atrium | chronic ischemic cardiomyopathy | Autopsy | 3+ |
| S-10 | F | 52 | Trachea | Unremarkable | Autopsy | N |
| T-1 | F | 70 | Appendix | Appendicitis | Appendectomy | N |
| T-2 | F | 35 | Small bowel | Serositis | Resection | N |
| T-3 | F | 35 | Retroperitoneum | Lipoma | Biopsy | N |
| T-4 | M | 82 | Skin, penis | No diagnostic abnormalities | Biopsy | N |
| T-5 | M | 63 | Prostate | BPH | TUR | 3+ |
| T-6 | M | 5 | Tonsil | Tonsillitis | Tonsilectomy | 4+ |
| T-7 | M | 15 | Tonsil | Tonsillitis | Tonsilectomy | 4+ |
| T-8 | F | 70 | Appendix | Appendicitis | Appendectomy | 4+ |
| T-9 | M | 51 | Prostate | No diagnostic abnormalities | Prostatectomy | 3+ |
| T-10 | F | 79 | Cervix | No diagnostic abnormalities | Hysterectomy | N |

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Triestosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON | | | PT | PN | SURGERY | a-Test Staining | |
|-------------|-----|-----|----------|-----------------------------|---------|---|-----|-----|----|---------|-----------------|--------|
| | | | | | 1 | 2 | SUM | | | | Epithelium | Stroma |
| A-1a | M | 77 | Prostate | Adenocarcinoma | 3 | 3 | 6 | T1a | Nx | TUR | N | 3+ |
| A-2a | M | 74 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1b | Nx | TUR | M | 1+ |
| A-3a | M | 74 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | M | M |
| A-4a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 3+ | 1+ |
| A-5a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | M | M |
| A-6a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 2+ | 1+ |
| A-7a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 3+ | 1+ |
| A-8a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 2+ | 1+ |
| A-9a | M | 62 | Prostate | Prostate-benign hyperplasia | 2 | 2 | 4 | T1 | Nx | TUR | M | M |
| A-10a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | M | M |
| A-1b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-2b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 2+ |
| A-3b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 2+ |
| A-4b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-5b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-6b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-7b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-8b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-9b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-10b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-1c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-2c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 3+ |
| A-3c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 1+ |
| A-4c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 3+ |
| A-5c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-6c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 1+ |
| A-7c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-8c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 3+ |
| A-9c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-10c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-1d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ | 1+ |
| A-2d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ | 1+ |
| A-3d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | M | M |
| A-4d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 3+ | 1+ |
| A-5d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ | 1+ |
| A-6d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ | 1+ |
| A-7d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ | 1+ |
| A-8d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | N | 1+ |
| A-9d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | N | 1+ |

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Table 18
NO 50 LOT 1 #2 Clinometrics Laboratories Frozen Array Data
a-Tissue Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON | | | PT | PN SURGERY | a-Test Staining | |
|-------------|-----|-----|----------|----------------|---------|---|-----|--------|------------|-----------------|--------|
| | | | | | 1 | 2 | SUM | | | Epithelium | Stroma |
| A-10d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 1+ | 1+ |
| A-1e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-2e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | M |
| A-3e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-4e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-5e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-6e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-7e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-8e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 2+ |
| A-9e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| A-10e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 Nx | TUR | 2+ | 1+ |
| B-1a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 2+ | 1+ |
| B-2a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 2+ | M |
| B-3a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 2+ | 1+ |
| B-4a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 2+ | 2+ |
| B-5a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 2+ | 1+ |
| B-6a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 2+ | 2+ |
| B-7a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b Nx | TUR | 1+ | 1+ |
| B-8a | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | M | M |
| B-9a | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 3+ | 3+ |
| B-10a | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 3+ | 4+ |
| B-1b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 3+ |
| B-2b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 3+ |
| B-3b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 2+ |
| B-4b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 2+ |
| B-5b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 2+ |
| B-6b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 2+ |
| B-7b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 2+ |
| B-8b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | M | M |
| B-9b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 2+ | 3+ |
| B-10b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b Nx | TUR | 3+ | 3+ |
| B-1c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | N | 3+ |
| B-2c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 2+ | 2+ |
| B-3c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | N | 3+ |
| B-4c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 2+ |
| B-5c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | N | 3+ |
| B-6c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 2+ | 2+ |
| B-7c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 2+ |

Appendix A
Table 18
NO 50 LOT 1 #2 Clinimatics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX/AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | SURGERY | a-Test Staining | |
|-------------|---------|----------|-----------------------|-----------|-----------|-------------|-----|----|---------|-----------------|--------|
| | | | | | | | | | | Epithelium | Stroma |
| B-8c | M 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| B-9c | M 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| B-10c | M 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| B-1d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-2d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-3d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-4d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-5d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-6d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-7d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-8d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-9d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 2+ |
| B-10d | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | N | N |
| B-1e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 1+ | 1+ |
| B-2e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | M | M |
| B-3e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 1+ | 1+ |
| B-4e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 1+ | 1+ |
| B-5e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 2+ |
| B-6e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 3+ | 1+ |
| B-7e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-8e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-9e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-10e | M 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 3+ | 2+ |
| B-1f | M 66 | Prostate | prostatic hyperplasia | | | | | | TUR | 2+ | 2+ |
| B-2f | M 81 | Prostate | prostatic hyperplasia | | | | | | TUR | 2+ | 2+ |
| B-3f | M 78 | Prostate | prostatic hyperplasia | | | | | | TUR | 2+ | 2+ |
| B-4f | M 78 | Prostate | prostatic hyperplasia | | | | | | TUR | 3+ | 2+ |
| B-5f | M 78 | Prostate | prostatic hyperplasia | | | | | | TUR | N | 2+ |
| GRID C | | | | | | | | | | | |
| C-1a | M 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 2+ | 2+ |
| C-2a | M 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | N | 2+ |
| C-3a | M 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 2+ | 1+ |
| C-4a | M 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | N | 2+ |
| C-5a | M 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 1+ | 2+ |
| C-6a | M 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 1+ | 1+ |
| C-7a | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-8a | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-9a | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | M | M |

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Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | | | SEX AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | SURGERY | Epithelium | Stroma |
|-------------|------|----------|------------------------------|----------|----------------|-----------|-----------|-------------|-------|-----|---------|------------|--------|
| C-10a | | | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ |
| C-1b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-2b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-3b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 2+ | | |
| C-4b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-5b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-6b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-7b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-8b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-9b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-10b | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-1c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-2c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-3c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | M | M | | |
| C-4c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-5c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-6c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-7c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | N | 1+ | | |
| C-8c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-9c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-10c | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-1d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-2d | M 84 | Prostate | Benign prostatic hyperplasia | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-3d | M 84 | Prostate | Benign prostatic hyperplasia | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-4d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-5d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 2+ | | |
| C-6d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 2+ | 2+ | | |
| C-7d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-8d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 3+ | 1+ | | |
| C-9d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 3+ | 1+ | | |
| C-10d | M 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | | 3+ | 1+ | | |
| C-1e | M 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | | 2+ | 1+ | | |
| C-2e | M 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | | N | 1+ | | |
| C-3e | M 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | | 2+ | 0 | | |
| C-4e | M 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | | 3+ | 0 | | |
| C-5e | M 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | | 1+ | 1+ | | |
| C-6e | M 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | | 1+ | 1+ | | |

APPENDIX A
Table 18
NO 50 LOT 1 #2 Clinometrics Laboratories Frozen Array Data
a-Triestosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON | | | PT | PN | SURGERY | p-Test Staining | |
|-------------|-----|-----|----------|------------------------------|---------|---|-----|-------|-----|---------|-----------------|--------|
| | | | | | 1 | 2 | SUM | | | | Epithelium | Stroma |
| C-7b | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | 3+ | 2+ | 2+ |
| C-8b | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | 2+ | 2+ | 2+ |
| C-9b | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | 1+ | 1+ | 1+ |
| C-10b | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 Nx | TUR | 1+ | 1+ | 1+ |
| C-11f | M | 66 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 2+ | 2+ |
| C-21f | M | 66 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 1+ | 1+ |
| C-31f | M | 66 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 2+ | 2+ |
| GRID D | | | | | | | | | | | | |
| D-1a | M | 73 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 Nx | TUR | 3+ | 2+ | 2+ |
| D-2a | M | 73 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 Nx | TUR | 2+ | 2+ | 2+ |
| D-3a | M | 73 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 Nx | TUR | M | M | M |
| D-4a | M | 61 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 Nx | TUR | 3+ | 2+ | 2+ |
| D-5a | M | 61 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 Nx | TUR | 2+ | 1+ | 1+ |
| D-6a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 1+ | M | M |
| D-7a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 3+ | 3+ |
| D-8a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 3+ | 3+ |
| D-9a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 3+ | 3+ |
| D-10a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 3+ | 3+ |
| D-11b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 1+ | 1+ | 1+ |
| D-12b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 4+ | 2+ | 2+ |
| D-13b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 1+ | M | M |
| D-14b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | M | M | M |
| D-15b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 1+ | 1+ | 1+ |
| D-16b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 2+ | 2+ |
| D-17b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 4+ | 1+ | 1+ |
| D-18b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 4+ | 2+ | 2+ |
| D-19b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 4+ | 2+ | 2+ |
| D-20b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | M | M | M |
| D-1c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 1+ | 2+ | 2+ |
| D-2c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | N | N | N |
| D-3c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 2+ | 1+ | 1+ |
| D-4c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | M | M | M |
| D-5c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 3+ | 1+ | 1+ |
| D-6c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 2+ | 1+ | 1+ |
| D-7c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 Nx | TUR | 2+ | 1+ | 1+ |
| D-8c | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 Nx | TUR | 3+ | 2+ | 2+ |
| D-9c | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 Nx | TUR | 2+ | 1+ | 1+ |
| D-10c | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 Nx | TUR | 1+ | 1+ | 1+ |

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON | | | PT | PN | SURGERY | a-Test Staining | |
|-------------|-----|-----|------------|------------------------------|---------|---|-----|----|----|---------|-----------------|--------|
| | | | | | 1 | 2 | SUM | | | | Epithelium | Stroma |
| D-1d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 2+ | 2+ |
| D-2d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 2+ | 1+ |
| D-3d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 1+ | 1+ |
| D-4d | M | 72 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | M | M |
| D-5d | M | 72 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | M | M |
| D-6d | M | 72 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 3+ | 2+ |
| D-7d | M | 72 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 4+ | 2+ |
| D-8d | M | 94 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | 4+ | 1+ |
| D-9d | M | 94 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | 2+ | 1+ |
| D-10d | M | 94 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | 2+ | 1+ |
| D-1e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-2e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 1+ |
| D-3e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-4e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-5e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 4+ | 2+ |
| D-6e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 4+ | 2+ |
| D-7e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 1+ | 1+ |
| D-8e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 2+ | 2+ |
| D-9e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | N | 1+ |
| D-10e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| #NAME? | M | 72 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 2+ |
| D-1f | M | 65 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 2+ |
| D-2f | M | 65 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 1+ |
| D-3f | M | 66 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 2+ |
| D-4f | M | 71 | Prostate | benign prostatic hyperplasia | | | | | | TUR | 3+ | 3+ |
| D-5f | M | 71 | Prostate | benign prostatic hyperplasia | | | | | | TUR | 3+ | 3+ |
| Controls | | | | | | | | | | | | |
| 1 | F | 32 | Brain | normal | | | | | | | 2+ | |
| 2 | F | 6 | Heart | normal | | | | | | | 2+ | |
| 3 | F | 6 | Liver | normal | | | | | | | 2+ | |
| 4 | F | 32 | Spleen | normal | | | | | | | 2+ | |
| 5 | F | 101 | Muscle | normal | | | | | | | 1+ | |
| 6 | F | 62 | Testes | normal | | | | | | | 2+ | |
| 7 | F | 101 | Kidney | normal | | | | | | | 3+ | |
| 8 | F | 52 | Thyroid | normal | | | | | | | N | |
| 9 | M | 62 | Adrenal | normal | | | | | | | 2+ | |
| 10 | F | 32 | Lung | normal | | | | | | | 2+ | |
| 11 | F | 36 | Breast | normal | | | | | | | N | |
| 12 | F | 52 | Lymph Node | normal | | | | | | | 4+ | |

Appendix A
Table 19
Oncology Frozen Array
Job #1190

a-CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

| Case # | Specimen | RCAS1 Staining | Element Stained | RCAS1 Staining | Element Stained | CA125 Staining | Element Stained |
|---------|----------------|----------------|-------------------------|----------------|-----------------|----------------|-----------------|
| 1190-1a | Ovarian CA | 0 to 4+ | Tumor | | | | |
| 1190-1b | Ovarian CA | 0 to 4+ | Tumor | | | | |
| 1190-1c | Ovarian CA | 0 to 4+ | Tumor | | | | |
| 1190-2a | Ovarian CA | 0 | Metastatic Carcinoid | | | | |
| 1190-2b | Ovarian CA | 0 to 1+ | Metastatic Carcinoid | | | | |
| 1190-3a | Ovarian CA | 0 to 1+ | Metastatic Carcinoid | | | | |
| 1190-3b | Ovarian CA | 0 to 1+ | Metastatic Carcinoid | | | | |
| 1190-4a | Ovarian CA | 0 to 1+ | Tumor | | | | |
| 1190-4b | Ovarian CA | 2 to 3+ | Tumor | | | | |
| 1190-4c | Ovarian CA | 0 | Tumor | | | | |
| 1190-5a | Ovarian CA | 4+ | Tumor | | | | |
| 1190-5b | Ovarian CA | 4+ | Tumor | | | | |
| 1190-6a | Ovarian CA | 1+ | Tumor | | | | |
| 1190-6b | Ovarian CA | 1 to 2+ | Tumor | | | | |
| 1190-6c | Ovarian CA | 2 to 3+ | Tumor | | | | |
| 1190-7 | Ovarian CA | 2 to 3+ | Tumor | | | | |
| 1190-8a | Ovarian CA | 0 to 1+ | Metastatic Ovarian CA | | | | |
| 1190-8b | Ovarian CA | 0 to 2+ | Metastatic Ovarian CA | | | | |
| 1190-9 | Ovarian CA | 0 to 3+ | Tumor | | | | |
| 1190-10 | Ovarian CA | 0 to 2+ | Tumor | | | | |
| 1190-11 | Endometrial CA | 3 to 4+ | Endometrial CA | | | | |
| 1190-12 | Endometrial CA | 3 to 4+ | Endometrial CA | | | | |
| 1190-13 | Endometrial CA | 4+ | Endometrial CA | | | | |
| 1190-14 | Endometrial CA | 1 to 3+ | Endometrial CA | | | | |
| 1190-15 | Endometrial CA | 1 to 3+ | Endometrial CA | | | | |
| 1190-16 | Endometrial CA | 3 to 4+ | Endometrial CA | | | | |
| 1190-17 | Endometrial CA | 4+ | Endometrial CA | | | | |
| 1190-18 | Normal Ovary | 2 to 4+ | Corpus Luteum | 1 to 2+ | Smooth Muscle* | 0 | Normal Elements |
| 1190-19 | Normal Ovary | 2 to 4+ | Corpus Luteum | 1 to 2+ | Smooth Muscle* | 0 | Normal Elements |
| 1190-20 | Normal Ovary | 2 to 4+ | Corpus Luteum | 1 to 2+ | Smooth Muscle* | 0 | Normal Elements |
| 1190-21 | Normal Ovary | 2 to 4+ | Corpus Luteum | 1 to 2+ | Smooth Muscle* | 0 | Normal Elements |
| 1190-22 | Normal Ovary | 2 to 4+ | Corpus Luteum | 1 to 2+ | Smooth Muscle* | 0 | Normal Elements |
| 1190-23 | Cervical CA | 3 to 4+ | Cervical Adenocarcinoma | | | | |
| 1190-24 | Cervical CA | 4+ | Cervical Adenocarcinoma | | | | |
| 1190-25 | Cervical CA | 3 to 4+ | Cervical Adenocarcinoma | | | | |
| 1190-26 | Cervical CA | 3 to 4+ | Cervical Adenocarcinoma | | | | |

Note: The smooth muscle is seen in the section demonstrating fallopian tube

Appendix A
Table 20
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

| Coordinates | Sex | Age | Organ | Diagnosis | Surgery | a-test Staining | |
|---------------|-----|-----|----------|--------------------------|------------|--------------------|------------|
| | | | | | | Muscle | Epithelium |
| Grid 1 | | | | | | | |
| A-1 | M | 60 | Prostate | Prostatic hyperplasia | TUR | 2+ | 2+ |
| A-2 | M | 75 | Prostate | Prostatic hypertrophy | TUR | 1+ | 1+ |
| A-3 | M | 66 | Prostate | Prostatic hyperplasia | TUR | M | M |
| A-4 | M | 89 | Prostate | Prostatic hyperplasia | TUR | M | M |
| A-5 | M | 67 | Prostate | Prostatic hyperplasia | TUR | 1+ | 3+ |
| A-6 | M | 71 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| A-7 | M | 74 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| A-8 | M | 72 | Prostate | Prostatic hyperplasia | TUR | 2+ | 2+ |
| A-9 | M | 74 | Prostate | Prostatic hyperplasia | TUR | 1+ | 2+ |
| A-10 | M | 71 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| | | | | | | | |
| B-1 | M | 68 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| B-2 | M | 71 | Prostate | Prostatic hyperplasia | TUR | 1+ | 3+ |
| B-3 | M | 84 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| B-4 | M | 69 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| B-5 | M | 69 | Prostate | Prostatic hyperplasia | TUR | 1+ | 3+ |
| B-6 | M | 62 | Prostate | Prostatic hyperplasia | TUR | 1+ | 3+ |
| B-7 | M | 57 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| B-8 | M | 68 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| B-9 | M | 68 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| B-10 | M | 65 | Prostate | Prostatic hyperplasia | TUR | M | M |
| | | | | | | | |
| C-1 | M | 86 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| C-2 | M | 68 | Prostate | Prostatic hyperplasia | TUR | 1+ | 4+ |
| C-3 | M | 72 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| C-4 | M | 70 | Prostate | Prostatic hyperplasia | TUR | 2+ | 2+ |
| C-5 | M | 71 | Prostate | Prostatic hyperplasia | TUR | 2+ | 3+ |
| C-6 | M | 60 | Prostate | Prostatic hyperplasia | TUR | 2+ | 2+ |
| C-7 | M | 64 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| C-8 | M | 77 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| C-9 | M | 73 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| C-10 | M | 77 | Prostate | Prostatic hyperplasia | TUR | 2+ | 1+ |
| | | | | | | | |
| D-1 | M | 78 | Prostate | Prostatic hyperplasia | TUR | 2+ | 2+ |
| D-2 | M | 65 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| D-3 | M | 78 | Prostate | Prostatic hyperplasia | TUR | M | M |
| D-4 | M | 73 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| D-5 | M | 77 | Prostate | Prostatic hyperplasia | TUR | 2+ | 2+ |
| D-6 | M | 75 | Prostate | Prostatic hyperplasia | TUR | 1+ | 2+ |
| D-7 | M | 80 | Prostate | Prostatic hyperplasia | TUR | 1+ | 1+ |
| D-8 | M | 73 | Prostate | Prostatic hyperplasia | TUR | 1+ | 1+ |
| D-9 | M | 75 | Prostate | Prostatic hyperplasia | TUR | 1+ | 2+ |
| D-10 | M | 80 | Prostate | Prostatic hyperplasia | TUR | 1+ | 3+ |
| | | | | | | | |
| E-1 | M | 78 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| E-2 | M | 63 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| E-3 | M | 69 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| E-4 | M | 82 | Prostate | Prostatic hyperplasia | TUR | 1+ | 2+ |
| E-5 | M | 78 | Prostate | Prostatic hyperplasia | TUR | 2+ | N |
| E-6 | M | 75 | Prostate | Prostatic hyperplasia | TUR | 1+ | 1+ |
| E-7 | M | 60 | Prostate | Prostatic hyperplasia | TUR | 0 | 1+ |
| E-8 | M | 66 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| E-9 | M | 64 | Prostate | Prostatic hyperplasia | TUR | 0 | N |
| E-10 | M | 73 | Prostate | Prostatic hyperplasia | TUR | 1+ | N |
| | | | | | | | |
| Grid 2 | | | | | | Epithelium | |
| F-1 | F | N/A | Breast | | Mastectomy | M | |
| F-2 | F | 52 | Breast | Fibrocystic disease | Biopsy | M | |
| F-3 | F | 69 | Breast | Fibrocystic disease | Biopsy | 2+ | |
| F-4 | F | 43 | Breast | Epidermal inclusion cyst | Biopsy | 3+ | |
| F-5 | F | 50 | Breast | Fibrocystic disease | Biopsy | 3+ | |
| F-6 | F | 39 | Breast | Fibrocystic disease | Biopsy | N | |
| F-7 | F | 49 | Breast | Fibrocystic disease | Biopsy | N | |
| F-8 | F | 38 | Breast | Fibrocystic disease | Biopsy | N | |
| F-9 | F | 53 | Breast | Fibrocystic disease | Biopsy | N | |
| F-10 | F | 74 | Breast | Fibrocystic disease | Biopsy | N | |
| | | | | | | | |
| G-1 | F | | Breast | Fibrocystic disease | Biopsy | N | |

Appendix A
Table 21
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

| Coordinates | Sex | Age | Organ | Diagnosis | Surgery | a-test Staining | |
|-------------|-----|-----|--------|---------------------------|------------|--------------------|-------------|
| G-2 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| G-3 | F | | Breast | Fibrocystic disease | Biopsy | 3+ | |
| G-4 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| G-5 | F | | Breast | Chronic mastitis | Biopsy | N | |
| G-6 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| G-7 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| G-8 | F | | Breast | Perilobular fibrosis | Biopsy | N | |
| G-9 | F | | Breast | Fibroadenoma | Biopsy | 2+ | |
| G-10 | F | | Breast | Fibrocystic disease | Biopsy | M | |
| H-1 | F | | Breast | Fibrocystic disease | Biopsy | 2+ | |
| H-2 | F | | Breast | Fibrocystic disease | Biopsy | 2+ | |
| H-3 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| H-4 | F | | Breast | Fibrosis | Biopsy | N | |
| H-5 | F | | Breast | Fibroadenoma | Biopsy | M | |
| H-6 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| H-7 | F | | Breast | Fibrocystic disease | Biopsy | M | |
| H-8 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| H-9 | F | | Breast | Fibrocystic disease | Biopsy | 3+ | |
| H-10 | F | | Breast | Fibrocystic disease | Biopsy | N | |
| I-1 | F | N/A | Breast | Fibrocystic disease | Biopsy | 0 | |
| I-2 | F | 35 | Breast | Fibrocystic disease | Biopsy | N | |
| I-3 | F | 29 | Breast | Fibrocystic disease | Biopsy | N | |
| I-4 | F | 77 | Breast | Fibrocystic disease | Biopsy | N | |
| I-5 | F | 69 | Breast | Fibrocystic disease | Biopsy | N | |
| I-6 | F | 68 | Breast | Fibrocystic disease | Biopsy | N | |
| I-7 | F | 61 | Breast | Fibrocystic disease | Biopsy | 3+ | |
| I-8 | F | 62 | Breast | | Biopsy | 3+ | |
| I-9 | F | 54 | Breast | Chronic inflammation | Biopsy | 3+ | |
| I-10 | F | 80 | Breast | Fibrocystic disease | Biopsy | 3+ | |
| J-1 | F | 39 | Breast | Fibrocystic disease | Biopsy | 2+ | |
| J-2 | F | 41 | Breast | No pathological diagnosis | Biopsy | N | |
| J-3 | F | 48 | Breast | Fibrocystic disease | Biopsy | 1+ | |
| J-4 | F | 61 | Breast | Fibrocystic disease | Biopsy | N | |
| J-5 | F | 65 | Breast | Fibrocystic disease | Biopsy | N | |
| J-6 | F | 52 | Breast | Fibrocystic disease | Biopsy | N | |
| J-7 | F | 72 | Breast | Fibrocystic disease | Biopsy | N | |
| J-8 | F | 56 | Breast | Fibrocystic disease | Mastectomy | N | |
| J-9 | F | 54 | Breast | Fibrocystic disease | Biopsy | N | |
| J-10 | F | N/A | Breast | Fibrocystic disease | Biopsy | N | |
| Grid 3 | | | | | | Epithelium | Endothelium |
| K-1 | F | 48 | Skin | Hemangioma | Biopsy | 1+ | 1+ |
| K-2 | M | 10 | Skin | Pyogenic granuloma | Biopsy | 2+ | 2+ |
| K-3 | M | 51 | Skin | Parakeratosis, dermatitis | Biopsy | N | 3+ |
| K-4 | | 45 | Skin | Seborrheic keratosis | Biopsy | M | M |
| K-5 | MF | 55 | Skin | Hemangioma | Biopsy | N | 2+ |
| K-6 | F | 73 | Skin | Hemangioma | Biopsy | N | N |
| K-7 | M | 33 | Skin | Chronic dermatitis | Biopsy | N | 3+ |
| K-8 | F | 19 | Skin | Intradermal nevus | Biopsy | M | M |
| K-9 | F | 28 | Skin | Dermatofibroma | Biopsy | M | M |
| K-10 | | | | | | | |
| L-1 | M | 13 | Skin | Pyogenic granuloma | Biopsy | N | 2+ |
| L-2 | F | 42 | Skin | Angiokeratoma | Biopsy | N | 2+ |
| L-3 | M | 33 | Skin | Intradermal nevus | Biopsy | N | 2+ |
| L-4 | M | 58 | Skin | Hemangioma | Biopsy | N | 0 |
| L-5 | F | 43 | Skin | Hemangioma | Biopsy | N | N |
| L-6 | F | 23 | Skin | Dermatofibroma | Biopsy | N | 2+ |
| L-7 | M | 24 | Skin | Pyogenic granuloma | Biopsy | N | 2+ |
| L-8 | F | 68 | Skin | Intradermal nevus | Biopsy | N | 2+ |
| L-9 | F | 30 | Skin | Intradermal nevus | Biopsy | N | 2+ |
| L-10 | M | 32 | Skin | Dermatofibroma | Biopsy | 2+ | 1+ |
| M-1 | M | 36 | Skin | Dermatofibroma | Biopsy | 1+ | 1+ |
| M-2 | F | 71 | Skin | Intradermal nevus | Biopsy | 0 | 2+ |
| M-3 | F | 35 | Skin | Epidermal inclusion cyst | Biopsy | 2+ | 2+ |
| M-4 | M | 47 | Skin | Dermatofibroma | Biopsy | 2+ | 1+ |

Appendix A
Table 21
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

| Coordinates | Sex | Age | Organ | Diagnosis | Surgery | a-test Staining | |
|-------------|-----|-----|--------------------|----------------------------------|-------------------|--------------------|----|
| M-5 | M | N/A | Skin | Dermatofibroma | Biopsy | 2+ | 1+ |
| M-6 | F | N/A | Skin | Dermatofibroma | Biopsy | N | 2+ |
| M-7 | F | 53 | Skin | Intradermal nevus | Biopsy | 1+ | N |
| M-8 | F | 43 | Skin | Epidermal inclusion cyst | Biopsy | N | 2+ |
| M-9 | M | 28 | Skin | Dermatofibroma | Biopsy | 2+ | 2+ |
| M-10 | M | 48 | Skin | Intradermal nevus | Biopsy | 0 | 2+ |
| N-1 | M | 28 | Testes | Testicular atrophy | Testectomy | N | |
| N-2 | M | 38 | Testes | Testicular atrophy | Testectomy | 2+ | |
| N-3 | M | 53 | Epididymis, testis | Atrophy of testicular parenchyma | Testectomy | 2+ | |
| N-4 | M | 74 | Epididymis, testis | Spermatocele | Testectomy | 3+ | |
| N-5 | M | 78 | Testes | Decreased spermatogenesis | Testectomy | 2+ | |
| N-6 | M | 78 | Testes | Decreased spermatogenesis | Testectomy | 1+ | |
| N-7 | M | 78 | Testes | Decreased spermatogenesis | Testectomy | N | |
| N-8 | M | 82 | Testes | Decreased spermatogenesis | Testectomy | 2+ | |
| N-9 | M | 82 | Testes | Decreased spermatogenesis | Testectomy | 3+ | |
| N-10 | M | 53 | Epididymis, testis | Ectatic epididymis tubules | Testectomy | N | |
| O-1 | M | 77 | Liver | Capsular angioma | Biopsy | 3+ | |
| O-2 | F | 67 | Liver | Fatty metamorphosis | Biopsy | M | |
| O-3 | F | 32 | Liver | Chronic inflammation; fibrosis | Biopsy | 1+ | |
| O-4 | F | 26 | Liver | Chronic triaditis | Biopsy | 4+ | |
| O-5 | N/A | 55 | Gallbladder | Cholecystitis | Cholecystectomy | N | |
| O-6 | M | 40 | Liver | Chronic triaditis | Biopsy | 2+ | |
| O-7 | F | 32 | Liver | No diagnostic alterations | Biopsy | | |
| O-8 | M | 73 | Liver | Chronic inflammation; fibrosis | Biopsy | 2+ | |
| O-9 | M | 73 | Liver | Chronic inflammation; fibrosis | Biopsy | 2+ | |
| O-10 | M | 73 | Liver | Chronic inflammation; fibrosis | Biopsy | 2+ | |
| P-1 | M | N/A | Colon | Tubular adenoma | Biopsy | 2+ | |
| P-2 | F | 91 | Colon | Tubular adenoma | Biopsy | 1+ | |
| P-3 | F | 41 | Colon | Tubular adenoma | Biopsy | 3+ | |
| P-4 | M | 71 | Colon | Tubular adenoma | Biopsy | N | |
| P-5 | F | 58 | Colon | Tubular adenoma | Biopsy | 2+ | |
| P-6 | M | 69 | Colon | Tubular adenoma | Biopsy | 2+ | |
| P-7 | M | 81 | Colon | Tubular adenoma | Biopsy | 2+ | |
| P-8 | F | 44 | Colon | Tubular adenoma | Biopsy | 2+ | |
| P-9 | M | 66 | Colon | Tubular adenoma | Biopsy | 2+ | |
| P-10 | F | 60 | Colon | Tubular adenoma | Biopsy | 2+ | |
| Q-1 | M | 84 | Colon | Tubular adenoma | Biopsy | 3+ | |
| Q-2 | M | 42 | Substantia nigra | Unremarkable | Autopsy | 2+ | |
| Q-3 | M | 42 | Aedulia oblongata | Unremarkable | Autopsy | 1+ | |
| Q-4 | M | 42 | Cerebellum | Unremarkable | Autopsy | 1+ | |
| Q-5 | M | 40 | Parathyroid | Nodular hyperplasia | Parathyroidectomy | 2+ | |
| Q-6 | M | 100 | Lung | Bronchopneumonia | Autopsy | 2+ | |
| Q-7 | F | 52 | Spleen | Unremarkable | Autopsy | 1+ | |
| Q-8 | F | 100 | Spleen | Unremarkable | Autopsy | 2+ | |
| Q-9 | F | 44 | Thyroid | Unremarkable | Autopsy | 1+ | |
| Q-10 | M | 15 | Tonsil | Lymphoid hyperplasia | Tonsillectomy | 4+ | |
| R-1 | F | 79 | Cervix | No diagnostic abnormality | Hysterectomy | N | |
| R-2 | F | 79 | Cervix | No diagnostic abnormality | Hysterectomy | N | |
| R-3 | F | 43 | Cervix | Dysplasia | Cone biopsy | N | |
| R-4 | F | 43 | Cervix | Dysplasia | Cone biopsy | N | |
| R-5 | F | 35 | Ovary | Paraovarian cysts | Hysterectomy | 2+ | |
| R-6 | F | 52 | Ovary | No diagnostic abnormality | Autopsy | N | |
| R-7 | F | 31 | Uterus | No diagnostic abnormality | Autopsy | 1+ | |
| R-8 | F | 80 | Cervix | No diagnostic abnormality | Hysterectomy | N | |
| R-9 | F | 35 | Uterus | Adenomyosis | Hysterectomy | M | |
| R-10 | F | 35 | Cervix | No diagnostic abnormality | Hysterectomy | 0 | |
| S-1 | F | 71 | Kidney | Arterial/nephrosclerosis | Autopsy | 3+ | |
| S-2 | F | 71 | Kidney | Arterial/nephrosclerosis | Autopsy | 3+ | |
| S-3 | F | 31 | Coronary artery | Unremarkable | | 0 | |
| S-4 | F | 31 | Coronary artery | Unremarkable | | 1+ | |
| S-5 | F | 71 | Left ventricle | Ischemic cardiomyopathy | Autopsy | 3+ | |
| S-6 | F | 31 | Heart | Unremarkable | Autopsy | 2+ | |
| S-7 | F | 31 | Heart | Unremarkable | Autopsy | 2+ | |

Appendix A

Table 21

NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

| Coordinates | Sex | Age | Organ | Diagnosis | Surgery | a-test Staining | |
|---|-----|-----|-----------------|---------------------------------|---------------|--------------------|--|
| S-8 | F | 71 | Right ventricle | chronic ischemic cardiomyopathy | Autopsy | 2+ | |
| S-9 | F | 71 | Right atrium | chronic ischemic cardiomyopathy | Autopsy | 2+ | |
| S-10 | F | 52 | Trachea | Unremarkable | Autopsy | M | |
| T-1 | F | 70 | Appendix | Appendicitis | Appendectomy | N | |
| T-2 | F | 35 | Small bowel | Serositis | Resection | N | |
| T-3 | F | 35 | Retroperitoneum | Lipoma | Biopsy | 0 | |
| T-4 | M | 82 | Skin; penis | No diagnostic abnormalities | Biopsy | N | |
| T-5 | M | 63 | Prostate | BPH | TUR | 2+ | |
| T-6 | M | 5 | Tonsil | Tonsillitis | Tonsillectomy | 4+ | |
| T-7 | M | 15 | Tonsil | Tonsillitis | Tonsillectomy | 4+ | |
| T-8 | F | 70 | Appendix | Appendicitis | Appendectomy | N | |
| T-9 | M | 51 | Prostate | No diagnostic abnormalities | Prostatectomy | 2+ | |
| T-10 | F | 79 | Cervix | No diagnostic abnormalities | Hysterectomy | N | |
| Prostate: The antibody demonstrates cytoplasmic and nuclear staining in smooth muscle and epithelium. | | | | | | | |
| Breast: Scoring is based on cytoplasmic and nuclear staining of epithelial cells. Vascular endothelium also shows staining. | | | | | | | |
| Skin: Scoring is based on epithelial and endothelial cell staining. Smooth muscle also shows staining. | | | | | | | |
| Testis: Scoring is based on tubular staining. Leydig cells also stain 2+ to 3+. | | | | | | | |
| Liver: Scoring is based on hepatocyte cytoplasmic staining. | | | | | | | |
| Colon: Scoring is based on epithelial cytoplasmic staining. | | | | | | | |

| Coordinates | Identical biopsy | Age | Sex | Organ | Histologic diagnosis | Issue represented, lot 1 | underlying disease | Material | p-Test Staining | Cell Type |
|-------------|------------------|-----|-----|---------------------------|---------------------------|--------------------------|--------------------|----------------|-----------------|------------------------|
| A.1a | 1 | 65 | m | thyroid | normal | ok | adenoma | biopsy | 3+ | Follicular cells |
| A.1b | 26 | 65 | m | thyroid | normal | ok | adenoma | biopsy | 3+ | Follicular cells |
| A.1c | 1 | 65 | m | thyroid | normal | ok | adenoma | biopsy | 3+ | Follicular cells |
| A.1d | 1 | 32 | f | adrenal gland | normal | ok | adenoma | biopsy | 3+ | Cortical cells |
| A.1e | 41 | 41 | m | adrenal gland | normal | ok | trauma | autopsy, 3 hrs | 4+ | Cortical cells |
| A.1f | 37 | 37 | m | adrenal gland | normal | ok | trauma | autopsy, 5 hrs | 3+ | Cortical cells |
| A.1g | 37 | 37 | m | adrenal gland | normal | ok | trauma | autopsy, 4 hrs | 3+ | Cortical cells |
| A.2a | 28 | 28 | f | pancreas | normal | ok | kidney cancer | biopsy | 4+ | Cortical cells |
| A.2b | 29 | 29 | f | pancreas | normal | ok | kidney cancer | biopsy | 4+ | Cortical cells |
| A.2c | 32 | 32 | f | pancreas, third trimester | normal | ok | kidney cancer | biopsy | 3+ | Trophoblasts |
| A.2d | 29 | 29 | f | pancreas, third trimester | normal | ok | kidney cancer | biopsy | 3+ | Trophoblasts |
| A.2e | 25 | 25 | m | testis | normal | ok | chronic testitis | biopsy | 3+ | Lymphoid cells |
| A.2f | 19 | 19 | f | testis | normal | ok | chronic testitis | biopsy | 3+ | Lymphoid cells |
| A.2g | 31 | 31 | m | testis | normal | ok | chronic testitis | biopsy | 3+ | Lymphoid cells |
| A.2h | 34 | 34 | m | testis | normal | ok | chronic testitis | biopsy | 3+ | Lymphoid cells |
| A.3a | 16 | 16 | m | lymph node | normal | ok | chronic testitis | biopsy | 1+ | Lymphoid cells |
| A.3b | 62 | 62 | f | lymph node | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.3c | 54 | 54 | f | lymph node | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.3d | 21 | 21 | f | spleen | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.3e | 41 | 41 | m | spleen | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.3f | 74 | 74 | f | spleen | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.3g | 26 | 26 | f | spleen | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.3h | 32 | 32 | f | spleen | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.4a | 32 | 32 | f | heart | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.4b | 41 | 41 | m | heart | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.4c | 37 | 37 | m | heart | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.4d | 37 | 37 | m | heart | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.4e | 27 | 27 | m | heart | normal | ok | gastric cancer | biopsy | 2+ | Lymphoid cells |
| A.4f | 43 | 43 | m | skeletal muscle | normal | ok | gastric cancer | biopsy | 0 | Skeletal muscle |
| A.4g | 67 | 67 | m | skeletal muscle | normal | ok | gastric cancer | biopsy | 2+ | Skeletal muscle |
| A.4h | 31 | 31 | f | skeletal muscle | normal | ok | gastric cancer | biopsy | 2+ | Skeletal muscle |
| A.5a | 74 | 74 | f | liver | normal | ok | gastric cancer | biopsy | 0 | Hepatocytes |
| A.5b | 95 | 95 | m | liver | normal | ok | gastric cancer | biopsy | 1+ | Hepatocytes |
| A.5c | 32 | 32 | f | liver | mild chronic inflammation | ok | gastric cancer | biopsy | 0 | Hepatocytes |
| A.5d | 26 | 26 | f | liver | mild chronic inflammation | ok | gastric cancer | biopsy | 0 | Hepatocytes |
| A.5e | 3 | 3 | f | pancreas | normal | ok | gastric cancer | biopsy | 2+ | Acinar cells |
| A.5f | 4 | 4 | m | pancreas | normal | ok | gastric cancer | biopsy | 2+ | Acinar cells |
| A.5g | 3 | 3 | f | pancreas | normal | ok | gastric cancer | biopsy | 2+ | Acinar cells |
| A.6a | 4 | 4 | m | pancreas | normal | ok | gastric cancer | biopsy | 1+ | Acinar cells |
| A.6b | 44 | 44 | f | ovary, stroma | normal | ok | gastric cancer | biopsy | 0 | Stroma |
| A.6c | 44 | 44 | f | ovary, stroma | normal | ok | gastric cancer | biopsy | 0 | Stroma |
| A.6d | 47 | 47 | f | ovary, stroma | normal | ok | gastric cancer | biopsy | 0 | Stroma |
| A.6e | 47 | 47 | f | ovary, stroma | normal | ok | gastric cancer | biopsy | 0 | Stroma |
| A.6f | 30 | 30 | f | myometrium | normal | ok | gastric cancer | biopsy | 3+ | Cardiac muscle |
| A.6g | 45 | 45 | f | myometrium | normal | ok | gastric cancer | biopsy | 3+ | Cardiac muscle |
| A.7a | 49 | 49 | f | myometrium | normal | ok | gastric cancer | biopsy | 0 | Cardiac muscle |
| A.7b | 31 | 31 | f | myometrium | normal | ok | gastric cancer | biopsy | 2+ | Cardiac muscle |
| A.7c | 31 | 31 | f | myometrium | normal | ok | gastric cancer | biopsy | 2+ | Cardiac muscle |
| A.7d | 30 | 30 | f | endometrium | normal | ok | gastric cancer | biopsy | 4+ | Endometrial epithelium |

FIG. 99. LOT 1142 Cytologies Laboratories Frozen Array Digox-
 1142 Traditionsome Staining of Prostate and Normal Tissue Arrays

| Coordinates | Identical biopsy | age | sex | Organ | Histologic diagnosis | tissue represented, lot 1 | underlying disease | Material | staining | Cell Type |
|-------------|------------------|-----|-----|-----------------|---------------------------|---------------------------|-----------------------------|------------------|----------|------------------------------|
| A 1a | | 52 | f | endo cervix | normal | ok | carcinoma in situ cervix | biopsy | 4+ | Endometrial epithelium |
| A 1b | | 52 | f | endo cervix | normal | ok | carcinoma in situ cervix | biopsy | 4+ | Endometrial epithelium |
| A 7a | | 74 | m | kidney cortex | normal | ok | kidney cancer | biopsy | 4+ | Renal tubules |
| A 8a | | 78 | m | kidney cortex | normal | ok | transitional cell carcinoma | biopsy | 4+ | Renal tubules |
| A 8b | | 88 | m | kidney cortex | normal | ok | kidney cancer | biopsy | 4+ | Renal tubules |
| A 8c | | 87 | m | kidney cortex | normal | ok | transitional cell carcinoma | biopsy | 4+ | Renal tubules |
| A 8d | | 68 | m | prostate | normal | ok | prostate cancer | biopsy | 4+ | Prostatic epithelium |
| A 8e | | 68 | m | prostate | normal | ok | prostate cancer | biopsy | 4+ | Prostatic epithelium |
| A 8f | | 59 | m | prostate | normal | ok | prostate cancer | biopsy | 3+ | Prostatic epithelium |
| A 8g | | 60 | m | prostate | normal | ok | prostate cancer | biopsy | 4+ | Ductal epithelium |
| B 1a | | 63 | m | seminal vesicle | normal | ok | prostate cancer | biopsy | 4+ | Ductal epithelium |
| B 1b | | 69 | m | seminal vesicle | normal | ok | prostate cancer | biopsy | 4+ | Ductal epithelium |
| B 2a | | 65 | m | seminal vesicle | normal | no epithelium | prostate cancer | biopsy | 0 | Stroma only |
| B 2b | | 77 | m | testis | decreased spermatogenesis | ok | prostate cancer | biopsy | 3+ | Prostatic epithelium |
| B 3a | | 86 | m | testis | decreased spermatogenesis | ok | prostate cancer | biopsy | 4+ | Prostatic epithelium |
| B 3b | | 86 | m | testis | decreased spermatogenesis | ok | prostate cancer | biopsy | 4+ | Prostatic epithelium |
| B 3c | | 74 | f | lung | normal | ok | lung cancer | biopsy | 3+ | Pneumocytes |
| B 4a | | 62 | m | lung | normal | ok | lung cancer | biopsy | 4+ | Pneumocytes |
| B 4b | | 68 | f | lung | normal | ok | lung cancer | biopsy | 3+ | Pneumocytes |
| B 4c | | 69 | f | lung | normal | ok | lung cancer | biopsy | N | Pneumocytes |
| B 5a | | 33 | m | cerebrum | normal | ok | trauma | autopsy, 5 hrs | 2+ | Neuropil |
| B 5b | | 33 | m | cerebrum | normal | ok | trauma | autopsy, 4 hrs | 2+ | Neuropil |
| B 6a | 5 | 37 | m | cerebellum | normal | ok | trauma | autopsy, 4 hrs | 4+ | Molecular layer |
| B 6b | | 37 | m | cerebellum | normal | ok | trauma | autopsy, 4 hrs | 3+ | Molecular layer and neuropil |
| B 7a | 5 | 32 | f | cerebrum | normal | ok | trauma | autopsy, 3 hrs | 3+ | Neuropil |
| B 7b | | 41 | m | cerebrum | normal | ok | trauma | autopsy, 5 hrs | 3+ | Neuropil |
| B 8a | | 33 | f | cerebrum | normal | ok | trauma | autopsy, <10 hrs | 3+ | Neuropil |
| B 8b | | 37 | m | cerebrum | normal | ok | trauma | autopsy, 4 hrs | 3+ | Neuropil |

NO 50 BOT 1 #2 Clinic Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | a-Test Staining | | Stroma |
|-------------|-----|-----|----------|------------------------------|-----------|-----------|-------------|-----|----|-----------------|------------|--------|
| | | | | | | | | | | SURGERY | Epithelium | |
| A-1a | M | 77 | Prostate | Adenocarcinoma | 3 | 3 | 6 | T1a | Nx | TUR | N | 3+ |
| A-2a | M | 74 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1b | Nx | TUR | 1+ | 1+ |
| A-3a | M | 74 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1b | Nx | TUR | M | M |
| A-4a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 3+ | 1+ |
| A-5a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 2+ | 1+ |
| A-6a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | M | M |
| A-7a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 2+ | 1+ |
| A-8a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | 3+ | 1+ |
| A-9a | M | 62 | Prostate | Prostate- benign hyperplasia | 2 | 2 | 4 | T1 | Nx | TUR | 2+ | 1+ |
| A-10a | M | 62 | Prostate | Adenocarcinoma | 2 | 2 | 4 | T1 | Nx | TUR | M | M |
| A-1b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-2b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 2+ |
| A-3b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 2+ |
| A-4b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-5b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-6b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-7b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-8b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-9b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-10b | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 1+ |
| A-1c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-2c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-3c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 3+ |
| A-4c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 4+ | 1+ |
| A-5c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 3+ |
| A-6c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-7c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 1+ |
| A-8c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 2+ |
| A-9c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 3+ | 3+ |
| A-10c | M | 85 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1b | Nx | TUR | 2+ | 2+ |
| A-1d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ | 1+ |
| A-2d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ | 1+ |
| A-3d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ | 1+ |
| A-4d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | M | M |
| A-5d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 3+ | 1+ |
| A-6d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ | 1+ |
| A-7d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ | 1+ |

NO 50 LOT 1 #2 Clinic/ Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | a-Test Staining | | 0 to 4+ |
|-------------|-----|-----|----------|----------------|-----------|-----------|-------------|-----|-----------------|---------|------------|
| | | | | | | | | | PN | SURGERY | Epithelium |
| A-8d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-9d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ |
| A-10d | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ |
| A-1e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-2e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | M |
| A-3e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-4e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 1+ |
| A-5e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-6e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-7e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-8e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-9e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| A-10e | M | 78 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 2+ |
| B-1a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | 2+ |
| B-2a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | M |
| B-3a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | 2+ |
| B-4a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | 2+ |
| B-5a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | 2+ |
| B-6a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | 2+ |
| B-7a | M | 83 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1b | Nx | TUR | 1+ |
| B-8a | M | 78 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | M |
| B-9a | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 3+ |
| B-10a | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 3+ |
| B-1b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-2b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | N |
| B-3b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-4b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-5b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-6b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-7b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-8b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | M |
| B-9b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 2+ |
| B-10b | M | 76 | Prostate | Adenocarcinoma | 3 | 5 | 8 | T1b | Nx | TUR | 3+ |
| B-1c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | N |
| B-2c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ |
| B-3c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | N |

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | SURGERY | a-Test Staining Epithelium | 0 to 4+ |
|-------------|-----|-----|----------|-----------------------|-----------|-----------|-------------|-----|----|---------|-------------------------------|---------|
| B-4c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| B-5c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | N | 3+ |
| B-6c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| B-7c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| B-8c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| B-9c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| B-10c | M | 69 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| B-1d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-2d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-3d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-4d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-5d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-6d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-7d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-8d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-9d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-10d | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 2+ |
| B-1e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | N | N |
| B-2e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 1+ | 1+ |
| B-3e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | M | M |
| B-4e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 1+ | 1+ |
| B-5e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 1+ | 1+ |
| B-6e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 2+ |
| B-7e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 3+ | 1+ |
| B-8e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-9e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 1+ |
| B-10e | M | 86 | Prostate | Adenocarcinoma | 5 | 3 | 8 | T1 | Nx | TUR | 2+ | 2+ |
| B-1f | M | 66 | Prostate | prostatic hyperplasia | | | | | | | | |
| B-2f | M | 81 | Prostate | prostatic hyperplasia | | | | | | TUR | 2+ | 2+ |
| B-3f | M | 78 | Prostate | prostatic hyperplasia | | | | | | TUR | 2+ | 2+ |
| B-4f | M | 78 | Prostate | prostatic hyperplasia | | | | | | TUR | 2+ | 3+ |
| B-5f | M | 78 | Prostate | prostatic hyperplasia | | | | | | TUR | N | 2+ |
| GRID C | | | | | | | | | | | | |
| C-1a | M | 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 2+ | 2+ |
| C-2a | M | 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | N | 2+ |
| C-3a | M | 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 2+ | 1+ |

Table 23
 NO 50 LOT-1 #2: Clinomic Laboratories Frozen Array Data
 a-1 testosterone Staining of Prostate and Normal Tissue Arrays
 TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | SURGERY | a-Test Staining | Stroma |
|-------------|-----|-----|----------|------------------------------|-----------|-----------|-------------|-----|----|---------|-----------------|--------|
| | | | | | | | | | | | Epithelium | |
| C-4a | M | 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | N | 2+ |
| C-5a | M | 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 1+ | 2+ |
| C-6a | M | 69 | Prostate | Adenocarcinoma | 1 | 2 | 2 | T1b | Nx | TUR | 1+ | 1+ |
| C-7a | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-8a | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-9a | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | M | M |
| C-10a | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-1b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-2b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-3b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 2+ |
| C-4b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-5b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-6b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-7b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-8b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| C-9b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| C-10b | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| C-1c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-2c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-3c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | M | M |
| C-4c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-5c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| C-6c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| C-7c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-8c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | N | 1+ |
| C-9c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-10c | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-1d | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-2d | M | 84 | Prostate | Benign prostatic hyperplasia | | | 10 | T1 | Nx | TUR | 2+ | 2+ |
| C-3d | M | 84 | Prostate | Benign prostatic hyperplasia | | | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-4d | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| C-5d | M | 84 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 2+ |
| C-6d | M | 84 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 2+ | 2+ |
| C-7d | M | 84 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| C-8d | M | 84 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 1+ | 1+ |
| C-9d | M | 84 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 3+ | 1+ |
| C-10d | M | 84 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 3+ | 1+ |

a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

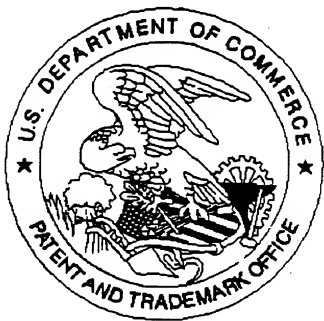
| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | SURGERY | a-Test Staining | |
|-------------|-----|-----|----------|------------------------------|-----------|-----------|-------------|----|----|---------|-----------------|--------|
| | | | | | | | | | | | Epithelium | Stroma |
| C-1e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 2+ | 1+ |
| C-2e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | N | 1+ |
| C-3e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 2+ | 0 |
| C-4e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 3+ | 0 |
| C-5e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 1+ | 1+ |
| C-6e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | M | M |
| C-7e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| C-8e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 2+ | 2+ |
| C-9e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| C-10e | M | 64 | Prostate | Adenocarcinoma | 4 | 5 | 9 | T1 | Nx | TUR | 1+ | 1+ |
| C-11 | M | 66 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 2+ | 2+ |
| C-2f | M | 66 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 1+ | 1+ |
| C-3f | M | 66 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 2+ | 2+ |
| GRID D | | | | | | | | | | | | |
| D-1a | M | 73 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 | Nx | TUR | 3+ | 2+ |
| D-2a | M | 73 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 | Nx | TUR | 2+ | 2+ |
| D-3a | M | 73 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 | Nx | TUR | M | M |
| D-4a | M | 61 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 | Nx | TUR | 3+ | 2+ |
| D-5a | M | 61 | Prostate | Adenocarcinoma | 2 | 3 | 5 | T1 | Nx | TUR | 2+ | 1+ |
| D-6a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| D-7a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | M | M |
| D-8a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 1+ |
| D-9a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 1+ |
| D-10a | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| D-1b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| D-2b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 4+ | 2+ |
| D-3b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| D-4b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | M | M |
| D-5b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 1+ |
| D-6b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 1+ |
| D-7b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | 2+ |
| D-8b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 4+ | 1+ |
| D-9b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 4+ | 2+ |
| D-10b | M | 68 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | M | M |
| D-1c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 1+ | 2+ |

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN | SURGERY | a-Test Staining | 0 to 4+ |
|-------------|-----|-----|----------|------------------------------|-----------|-----------|-------------|----|----|---------|-----------------|---------|
| | | | | | | | | | | | Epithelium | Stroma |
| D-2c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | N | 2+ |
| D-3c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| D-4c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 3+ | M |
| D-5c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| D-6c | M | 77 | Prostate | Adenocarcinoma | 5 | 5 | 10 | T1 | Nx | TUR | 2+ | 1+ |
| D-7c | M | 77 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 3+ | 2+ |
| D-8c | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 2+ | 1+ |
| D-9c | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 1+ | 1+ |
| D-10c | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 2+ | 2+ |
| D-1d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 2+ | 2+ |
| D-2d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 3+ | 1+ |
| D-3d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | 1+ | 1+ |
| D-4d | M | 73 | Prostate | Adenocarcinoma | 2 | 4 | 6 | T1 | Nx | TUR | M | M |
| D-5d | M | 72 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | M | M |
| D-6d | M | 72 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 3+ | 2+ |
| D-7d | M | 72 | Prostate | Adenocarcinoma | 3 | 4 | 7 | T1 | Nx | TUR | 4+ | 2+ |
| D-8d | M | 94 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | 4+ | 2+ |
| D-9d | M | 94 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | 2+ | 1+ |
| D-10d | M | 94 | Prostate | Adenocarcinoma | 3 | 2 | 5 | T1 | Nx | TUR | 2+ | 1+ |
| D-1e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-2e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 4+ | 2+ |
| D-3e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 1+ |
| D-4e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-5e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-6e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 4+ | 2+ |
| D-7e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 1+ | 1+ |
| D-8e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 2+ | 2+ |
| D-9e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | N | 1+ |
| D-10e | M | 72 | Prostate | Adenocarcinoma | 5 | 4 | 9 | T1 | Nx | TUR | 3+ | 2+ |
| D-1f | M | 65 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 2+ |
| D-2f | M | 81 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 2+ |
| D-3f | M | 66 | Prostate | prostatic hyperplasia | | | | | | TUR | 1+ | 1+ |
| D-4f | M | 71 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 1+ | 2+ |
| D-5f | M | 71 | Prostate | benign prostatic hypertrophy | | | | | | TUR | 3+ | 3+ |

Table 23. Chronic Laboratories Tissue Array Data
 NO 50 LOT 1 #2
 a-Testosterone Staining of Prostate and Normal Tissue Arrays
 TMA PR 200 Lot 1 #2

| COORDINATES | SEX | AGE | ORGAN | TUMOR TYPE | GLEASON 1 | GLEASON 2 | GLEASON SUM | PT | PN SURGERY | a-Test Staining Epithelium | 0 to 4+ |
|-------------|-----|-----|------------|------------|-----------|-----------|-------------|----|------------|----------------------------|---------|
| Controls | | | | | | | | | | | |
| 1 | F | 32 | Brain | normal | | | | | | | |
| 2 | F | 6 | Heart | normal | | | | | | | 2+ |
| 3 | F | 6 | Liver | normal | | | | | | | 2+ |
| 4 | F | 32 | Spleen | normal | | | | | | | 2+ |
| 5 | F | 101 | Muscle | normal | | | | | | | 2+ |
| 6 | M | 62 | Testes | normal | | | | | | | 1+ |
| 7 | F | 101 | Kidney | normal | | | | | | | 2+ |
| 8 | F | 52 | Thyroid | normal | | | | | | | 3+ |
| 9 | M | 62 | Adrenal | normal | | | | | | | N |
| 10 | F | 32 | Lung | normal | | | | | | | 2+ |
| 11 | F | 36 | Breast | normal | | | | | | | N |
| 12 | F | 52 | Lymph Node | normal | | | | | | | 4+ |

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☐ Page(s) _____ of _____ were not present
for scanning. (Document title)

✓ Scanned copy is best available. Drawings are very dark
Figures 1B, 2A-E, 3-4C

Page 77-352 of Specification is Table (2-23)
Appendix A. Table 1 was not available